PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Dec. 15	Poughkeepsie, N. Y. ..... Adv. Nov. 18 to Dec. 9.	Nov. 18
Dec. 15	Fall River, Mass.	Dec. 2
Jan. 10	Hartford, Conn.	Dec. 2

SEWERS

Dec. 13	Euclid, O.	Dec. 2
Jan. 5	Lima, O. ..... Adv. Dec. 2 and 9.	Dec. 2
Jan. 11	North Branch, Minn	Dec. 9

BRIDGES

Dec. 13	Nacogdoches, Tex.	Dec. 9
Dec. 14	Winnipeg, Man.	Nov. 25
Dec. 14	Portsmouth, N. H.	Dec. 2
Dec. 14	Preston, Ga.	Dec. 9
Dec. 14	South Dakota	Dec. 9
Dec. 15	South Dakota	Dec. 9
Dec. 17	Detroit, Mich. ..... Adv. Dec. 2 and 9.	Nov. 25
Dec. 17	Phila., Pa.	Dec. 2
Dec. 17	North Carolina	Dec. 9
Dec. 18	Dayton, O.	Dec. 2
Dec. 18	Racine, Wis.	Dec. 2
Dec. 20	St. Thomas, Nev.	Dec. 9
Dec. 21	Morgan, Ga.	Dec. 2
Dec. 22	Elizabeth, N. J. ..... Adv. Dec. 2 and 9.	Dec. 2
Dec 23	Detroit, Mich.	Dec. 2
Dec 23	Detroit, Mich.	Dec. 9
Dec. 28	Wayne, Neb.	Dec. 9
Jan. 6	Miami, Fla. ..... Adv. Dec. 2 and 9.	Dec. 2
Jan. 7	Jacksonville, Fla.	Dec. 2
Feb. 7	Bainbridge, Ga	Nov. 25
Mar. 1	Ontario	Nov. 4

STREETS AND ROADS

Dec. 13	Bronxville (Yonkers P. O.) N. Y. ..... Adv. Dec. 2 and 9.	Dec. 2
Dec. 13	Merced, Cal.	Dec. 2
Dec. 13	Childress, Tex.	Dec. 2
Dec. 13	Canadian, Tex.	Dec. 2
Dec. 13	El Paso, Tex.	Dec. 2
Dec. 14	South Dakota	Dec. 9
Dec. 14	Michigan	Dec. 9
Dec. 15	Princeton, W. Va.	Dec. 2
Dec. 15	Des Moines, Ia.	Dec. 2
Dec. 15	South Dakota	Dec. 9
Dec. 16	Hampton, Ia.	Dec. 9
Dec. 17	North Carolina	Dec. 9
Dec. 20	Boone, Ia.	Dec. 9
Dec. 20	Louisiana	Dec. 9
Dec. 21	New Mexico	Dec. 2
Dec. 21	Sioux City, Ia	Dec. 9
Dec. 22	Sandusky, Mich.	Dec. 9
Dec. 22	Delaware ..... Adv. Dec. 9.	Dec. 9
Dec. 29	Leavenworth, Kan.	Dec. 9
Jan. 2	Duluth, Minn.	Oct. 28
Jan. 3	La Junta, Col. ..... Adv. Dec. 9.	Dec. 9
Jan. 5	Colorado Springs, Col.	Oct. 21
Jan. 6	Missouri	Dec. 9
Jan. 10	Stockton, Kan.	Nov. 18
Jan. 15	Nevada	Dec. 9
Jan. 27	Missouri	Dec. 9
Mar. 1	Ontario	Dec. 2
Mar. 30	Westboro, Ont.	Nov. 11

EXCAVATION AND DREDGING

Dec. 15	Clarinda, Ia.	Nov. 25
Dec. 16	Hampton, Ia.	Dec. 9
Dec. 20	Wapello, Ia.	Dec. 2

INDUSTRIAL WORKS

Dec. 13	Taunton, Mass.	Dec. 9
Dec. 14	Kinston, N. C.	Dec. 9
Dec. 15	Cleveland, O.	Dec. 9

BUILDINGS

Dec. 13	Lakewood (Cleveland P. O.), O.	Nov. 25
Dec. 13	Cincinnati, O.	Dec. 2
Dec. 13	Detroit, Mich.	Dec. 2
Dec. 14	Hyde Park (Boston P. O.), Mass.	Nov. 25
Dec. 14	Storrs (Eagleville P. O.) Conn.	Nov. 25
Dec. 15	Frederic, Wis.	Nov. 18
Dec. 15	Clear Lake, Wis.	Nov. 18
Dec. 15	Pocahontas, Ia.	Nov. 25
Dec. 15	Wabash, Ind.	Nov. 25
Dec. 15	Bethlehem, Pa	Dec. 2
Dec. 15	Chicago, Ill.	Dec. 2
Dec. 15	Cloquet, Minn.	Dec. 2
Dec. 15	Paducah, Ky.	Dec. 9
Dec. 15	Detroit, Mich.	Dec. 9
Dec. 15	Hartford, Conn.	Dec. 9
Dec. 15	Baltimore, Md.	Dec. 9
Dec. 16	Milwaukee, Wis.	Dec. 9
Dec. 17	Wash., D. C. ..... Adv. Dec. 9.	Dec. 9
Dec. 18	Brainerd, Minn.	Dec. 2
Dec. 20	Phila., Pa.	Dec. 9
Dec. 20	Englevale, N. D.	Dec. 9
Dec. 21	Detroit, Mich.	Nov. 25
Dec. 21	Cleveland Heights (Warrensville P. O.), O.	Dec. 2
Dec. 30	Pocahontas, Ia.	Dec. 9
Jan. 1	Marietta, O.	Nov. 25
Jan. 1	Chicago, Ill.	Nov. 18
Jan. 1	Little Rock, Ark.	Nov. 25
Jan. 1	Chicago, Ill.	Nov. 25
Jan. 1	Springfield, Mo.	Dec. 2
Jan. 1	Springfield, Mo.	Dec. 9
Jan. 2	Duluth, Minn.	Oct. 21
Jan. 2	Duluth, Minn.	Nov. 25
Jan. 2	Duluth, Minn.	Oct 28
Jan. 2	Cortland, N. Y.	Oct. 21
Jan. 2	Hibbing, Minn.	Nov. 4
Jan. 2	Aitkin, Minn.	Nov. 11
Jan. 2	Webster, Wis.	Nov. 11
Jan. 2	Jamestown, N. D.	Dec. 2
Jan. 2	Ft. Collins, Col.	Dec. 9
Jan. 2	Aitkin, Minn.	Dec. 9
Jan. 3	Ft. Meyers Fla.	Dec. 9
Jan. 3	Pontiac, Mich.	Dec. 9
Jan. 4	Greeley, Col.	Nov. 25
Jan. 4	Emporia, Kan.	Dec. 2
Jan. 4	Union Grove, Wis.	Dec. 2
Jan. 15	Fergus Falls, Minn.	Dec. 9
Jan. 15	Iron Belt, Wis.	Dec. 9
Jan. 15	Prince Frederick, Md.	Dec. 9
Jan. 15	St. Louis, Mo.	Dec. 9
Jan. 19	Buffalo, N. Y. ..... Adv. Dec. 2 and 9.	Dec. 2
Jan. 19	Buffalo, N. Y.	Dec. 9
Feb. 15	El Paso, Tex.	Dec. 2
Mar. 1	Duluth, Minn.	Dec. 2

FEDERAL GOVERNMENT WORK

Dec. 15	Radio Building—Port Arthur, Tex.	Nov. 25
Dec. 15	Hydraulic Turbine—Florence, Ala. ..... Adv. Nov. 18 to Dec. 9.	Nov. 25
Dec. 15	Gate and Valve Operating Machinery—Louisville, Ky. Adv. Nov. 18 to Dec. 9.	Nov. 25
Dec. 16	Alterations, Repairs, Plumbing, etc.—Covington, Ky.	Nov. 25
Dec. 16	Conduit—Norfolk, Va. ..... Adv. Dec. 2 and 9.	Dec. 9
Dec. 20	Steel Dump Scows—Louisville, Ky. ..... Adv. Dec. 2 and 9.	Nov. 18
Dec. 20	Refrigeration Building — Columbus, Ga.	Dec. 2
Dec. 21	Conduit, Wiring, etc.—Covington, Ky.	Dec. 9
Dec. 22	Electric Towing Locomotive —Washington, D. C.	Dec. 2
Dec. 22	Dumb Waiter—Wichita, Kan.	Dec. 9
Dec. 22	Electric Distribution System—Spec. 4341—Bar Harbor, Me.	Dec. 9
Dec. 22	Separation of Water Drainage System—Washington, D. C.	Dec. 9
Dec. 22	Earthwork—St. Louis, Mo. Adv. Dec. 9.	Dec. 9
Dec. 23	Mechanical Equipment — Wash., D. C.	Dec. 9
Dec. 27	Mailing Vestibule, etc.— Charlotte, N. C.	Dec. 9
Dec. 27	Electric Elevator—Charlotte, N. C.	Dec. 9
Dec. 27	Mailing Vestibule, etc. — Kokomo, Ind. ..... Adv. Dec. 9.	Dec. 9
Dec. 27	Mezzanine Floor—Decatur, Ill.	Dec. 9
Dec. 28	Boiler and Storage House— Woods Hole, Mass.	Dec. 9
Dec. 28	Mailing Vestibule—Corby, Pa.	Dec. 9
Dec. 28	Mezzanine Floor—Charleston, W. Va.	Dec. 9
Dec. 29	Mezzanine Floor—Beloit, Wis.	Dec. 9
Dec. 29	Improving Boiler Plant — Spec. 4252 — Charleston, S. C.	Dec. 9
Dec. 31	Steel Dump Scows—Phila., Pa. ..... Adv. Dec. 2 and 9.	Dec. 9
Jan. 3	Hot Water Piping—Phila., Pa.	Dec. 9
Jan. 7	Dredging—Norfolk, Va.	Dec. 9
Jan. 10	Dredging—New Orleans, La. ..... Adv. Dec. 9.	Dec 9
Mar. 15	Post Office—Joplin, Mo....	Dec. 9

MISCELLANEOUS

Dec. 13	Paving Materials—Minneapolis, Minn.	Dec. 2
Dec. 14	Dock Wall—Buffalo, N. Y. Adv. Nov. 18 to Dec. 9.	Nov. 18
Dec. 14	Incinerator—Long Branch, N. J. ..... Adv. Dec. 2 and 9.	Dec. 2

Bids Close		See Eng. News-Record
Dec. 14	Wire—New Orleans, La.	Dec. 2
Dec. 14	Platform—Phila., Pa.	Dec. 9
Dec. 14	Brick, Cement and Sand—Clayton, Mo.	Dec. 9
Dec. 15	Laundry Equipment—Hudson, N. Y.	Dec. 2
Dec. 15	Laundry Equipment—Brooklyn, N. Y.	Dec 2
Dec. 17	Water Tube, Boilers and Equipment — Milwaukee, Wis. Adv. Dec. 2 and 9.	Dec. 2
Dec. 18	Pumping Machinery—Prince Albert, Sask.	Dec. 9
Dec. 21	Foundations—Phila., Pa. Adv. Dec. 2 and 9.	Dec. 2
Dec. 23	Wharfs and Pier — Phila., Pa. Adv. Dec. 9.	Dec. 9
Jan. 4	Wall—Seneca Falls, N. Y. Adv. Dec. 9.	Dec. 3
Jan. 10	Filter Sand — Hartford, Conn. Adv. Dec. 2 and 9.	Dec. 2
Jan. 11	Motors and Pumps—Sacramento, Cal.	Dec. 2
Jan. 26	Wall—Chesterville, Ont.	Nov. 25

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. C., Maiden—Town plans to issue $60,000 bonds to build waterworks system. S. M. Finger, clk.

N. C., Smithfield—Town will sell $40,000 bonds Dec. 20, to extend waterworks and supply system. W. L. Fuller, clk.

S. C., Seneca—City election Dec. 15, to vote on $160,000 bonds to build waterworks and sewerage systems. Jandon Eng. Co., Elberton, Ga., engrs.

O., Carey—City plans to build waterworks system, to include transmission line and distribution system. About $99,000.

Wis., Viroqua—City plans to extend and improve waterworks system, to include additional well, pipe lines, reservoirs, machinery and equipment. About $40,000. Engineer not announced.

Ia., Sioux City—City plans to improve waterworks system, to include laying 10,000 ft. 24 in. water mains. About $45,000.

S. D., Yankton—City voted $70,000 bonds to extend waterworks. J. W. Summers, clk. Noted Nov. 18.

Wyo., Upton—City Council authorized investigation of probable source of water supply in gravel beds near here. If sufficient supply is found available, plans and specifications will be drawn for a new water system, and election called to vote on necessary bonds for project. Engineer not selected but negotiating with Grant, Fulton & Letton, 505 Bankers Life Bldg., Lincoln, Neb. and A. Wilkinson, Newcastle.

Utah — St. George—City voted $60,000 bonds to build waterworks system. Caldwell & Richards, Vermont Bldg., Salt Lake City, engrs.

Cal., San Bernardino—City retained F. C. Finkle, consult. engr., I. W. Heilman Bldg., Los Angeles, to prepare plans for water and power development in Cajon Basin, to include Mathews Lake project, involving 630 in. storage, 1,000 electric hp., cost $733,000; and Vincent Cienega project, involving 590 in storage, 770 electric hp., $767,000.

Cal., Santa Ana—City plans to build reservoir on Santiago Creek, involving construction of concrete dam, 100 ft. high, which will impound 7,000,000,000 gal. of water. Cost to exceed $50,000. W. W. Hoy, Santa Ana, engr.

Ont., Toronto — City plans to purchase filtration plant supplies, cost $113,300; build 20,000,000 gal. reservoir at island, $750,000; air chambers on mains, $55,000; pump for high pressure fire system, $100,000, boilers and generators for Riverdale Sta., $100,000; high level station generator and alterations, $156,000, and extending high pressure fire service in various districts $1,250,000. R. O. Harris, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., New York—Dept. Water Supply, Gas & Electricity, Room 2351, Municipal Bldg., received bids Dec. 6, furnishing, delivering and installing additional discharge lines at 179th St. less Pumping Sta., from Vulcan Rail Constr. Co., $9,986; Beaver Eng. & Contg. Co., 51 Chambers St., $13,405; J. A. Greggory, $14,250. Noted Dec. 2.

★**O., Cleveland**—H. D. Koblitz, The Arcade let contract furnishing and laying 3,208 ft. 6-12 in. c.i. water main in Coronado Beack subdivision to W. P. Smith, 1350 West 89th St., $15,266.

★**Mich., Detroit**—Water Bd. will lay 15,670 ft. 6 and 8 in. c.i. water mains in Seven Mile Rd., August, Huston, Trenton, Grotto, Newport, Loretto, Taylor, Lamont, Strong, Bulwer, Fenton, Chalmers and Mound Aves., and 3,050 ft. 24 in. mains in Van Dyke Ave. Work will be done by day labor.

★**Tex., Dallas**—City will lay water mains in Davis St. from Zangs to Madison Sts.; Madison Ave. from Davis to Beckley Sts.; Rawlins St. from Oak Lawn to city limits; Polk St. from 10th to Center Sts.; Tyler Ave. from Page to Delaware Sts.; Ann St from Parry to Santa Fe Sts.; 2d Ave. from Metropolitan to Carpenter Sts.; Carpenter St. from Oakland to 2nd Aves.; Oakland Ave. from Reeves to Carpenter Sts.; Pear St. from Spencer to Oakland Aves.; Casey St. from Wendelkin to Oakland Aves.; Frank St. from 2nd to Lagow Aves.; Lagow Ave. from Frank to Metropolitan Sts. About $80,000. Work will be done by day labor.

Sewers

PROPOSED WORK

N. H., Manchester—City having plans prepared for reconstructing sewerage system. M. F. Shea, dir. Pub. Wks. L. H. Shattuck, Inc., 208 Granite St., engr.

N. C., Maiden—Town plans to issue $55,000 bonds to build sewerage system. S. M. Finger, clk.

N. C., Smithfield—Town will sell $15,000 bonds Dec. 20, to extend sewerage system. W. L. Fuller, clk.

N. C., Wilson — City plans to extend sewer mains. About $64,000. H. Y. Scott, secy. Chamber of Commerce

S. C., Seneca—See "Waterworks."

O., Cleveland—Fournier Realty Co., West 25th St. and Lorain Ave., receives bids in spring building storm sewers and sewage disposal plant in Spencer Rd. About $20,000. Private plans.

Mich., Ferndale—City having plans prepared for furnishing and laying 2,547 ft. 30-36 in. sanitary sewer in Rockwell Ave. from Bermuda to Farmdale Aves., brick, rein.-con. or segmental block. About $25,000. C. Jerome, 1331 Majestic Bldg., Detoit, engr.

Neb., Hooper — City having plans prepared by Henningson Eng. Co., engrs., 12th and Harney Sts., Omaha, for sewers, manholes, etc. About $50,000. C. H. Dahl, clk.

Mo., Springfield—City opens bids about Jan. 1, building sewers in Dist. 9, Sect. 6, involving 24,490 ft. 8 in. vitr. pipe 17,000 cu.yd. earth trenching, 83 manholes and 8 flush tanks. About $55,000. G. W. Culler, Springfield, engr. Noted Sept. 23.

Col., Boulder—City receives bids about Feb. 1, building 5 mi. 12-54 in. vitr clay and concrete storm sewers in University Hill Storm Sewer Dist. About $158,000. J. Randolph, City Hall, engr.

Ont., Toronto—City plans to build relief sewers in University St. from Bloor St. to Rosedale Creek, cost $230,000; Rosedale Creek from Yonge St. to Don River, $608,000; interseptor for Fort Rouille to Bathurst St., $314,000; Bloor St. $130,000; Jones Ave. and Gerrard St., $159,000. R. C. Harris, city eng.

BIDS DESIRED

Minn., North Branch—Until Jan. 11, by A. Nordstrom, city clk., building 8-12 in. vitr. sewers in various streets. About $30,000. Druar & Milinowski, 512 Globe Bldg., St. Paul, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., S. I., St. George—C. D. Van [illegible], pres. Richmond Boro, received bids [illegible] building temporary sanitary outlet [illegible] in Cromwell Ave., etc., from Lit[illegible] Constr. Co., 280 Madison Ave., New York City, $52,108; Merritt & Chapman, 17 [illegible] tery Pl., New York City, $55,498; [illegible] Eng. Co., 30 Church St., New York City, $62,840. Noted Dec. 2.

★**N. J., Trenton**—Bd. Freeholders [illegible] Co. let contract building vitr. pipe [illegible] in certain sections Brunswick Pike between Clarksville and Middlesex Co. line, to DeLucia, 52 Bayard St., $28,412. Noted Nov. 18.

O., East Cleveland (Cleveland P. O.)—City received bid building sewer and culvert in Terrace Rd. between Taylor Rd. and Hastings Ave., involving 630 ft. vitr. pipe and 605 ft. concrete culvert, from T. Murray Illuminating Bldg., Cleveland, $16,501.

O., Garfield Heights (Cleveland P. O.)—Village received bids Nov. 15, building sewers in (a) East 104th St., Robinson, Russell and Greenview Aves., (b) Sladden Ave., (c) Edgepark Ave., (d) Garfield Parkway, from Post Constr. Co., 343 The Arcade, Cleveland, (a) $21,249, (c) $2,347; Curro Bros., 12206 Mayfield Rd., Cleveland, (a) $24,119, (b) $11,110, (d) $3,045; N. Iafornaro, 3218 Murray Hill Rd., Cleveland, (b) $10,845; Salem & George Bros., 237 Bradley Court, Cleveland, (c) $2,512, (d) $3,013. Noted Nov. 11.

★**Mich., Detroit**—City let contract building Michigan Ave. Sewer from Lonyo Rd. to Westfield Ave., to J. A. Mercier, 216 Hammond Bldg., $62,911.

Mich., Detroit—City received bids building 6 Mile Rd. sewer, (a) Sect. 5, from Lumkin to Omira Aves., involving 4,500 ft. 10 ft. 6 in. cylinder, brick, (b) Sect. 6, from Omira Ave. to 3rd St., involving 2,254 ft. 10 ft. 6 in. cylinder and 1,929 ft. 9 ft. 6 in. cylinder, brick, (c) Sect. 7, from 3rd St. to Linwood Ave., involving 1,217 ft. 9 ft. and 8 ft 3 in. cylinder, brick; from J. Porath, 23 McGraw Bldg., (a) $417,000, (b) $354,114 (c) $285,483; M. Pontatilli, Chicago, (a) $488,000, (b) $428,687; Booth & Flinn, Chicago, (a) $512,500, (b) $449,348; W. Blanck & Co., 827 Ford Bldg., (c) $239,117; R. A. Mercier, 746 Hudson Ave., (c) $286,060. Noted Nov. 18.

★**Ia., Williams**—City let contract laying 15,681 ft. 8-10 in. vitr. sewer pipe, to Empire Constr. Co., 209 Flynn Blk., Des Moines, $36,909; building sewage disposal plant, to W. E. Weldon, Iowa Falls, $17,369.

Okla., Ada — City let contract building sewers in Dists. 11 and 12, to I. E. Hanson, Ada. About $19,300. Noted Oct. 7.

Bridges

PROPOSED WORK

N. J., West Point Pleasant—State Highway Dept., Trenton, plans to build bridge, here. About $169,780. C. A. Mead, Newark, engr.

North Carolina — State Highway Dept., Raleigh, soon receives bids building 2 rein.-con. deck girder bridges, totaling 760 ft. in length, also one 6 x 6 ft. and two 3 x 3 ft. rein.-con. box culverts, Federal Aid Project 112, Caswell Co., cost $115,000; several small rein.-con. bridges, 20-60 ft. in length and several rein.-con. box culverts, Federal Aid Project 105, Hoke Co., $25,000. W. S. Fallis, state highway engr.

O., Columbus—Ohio State University Trustees receive bids in March building 113 ft. concrete bridge, 32 ft. wide, across Olentangy River. About $135,000. C. T. Morris, Ohio State University, engr.

Ill., Chicago—City plans election in February to vote on $7,500,000 bonds to build bridges across Chicago River on Adams St. and on Van Buren St., also to complete bridges already begun. At later date, Eng. Dept. plans to build bascule bridges over Chicago River at La Salle, Taylor and Polk Sts.

Neb., Omaha — City and Council Bluffs, Ia., plans to build bridge over Missouri River. E. P. Smith, Omaha, mayor. Engineer not selected.

South Dakota — State Highway Dept., Pierre, soon receives bids building 1050 ft. bridge, 16 ft. wide, over Cheyenne River.

Bridges (Continued)

Miakon and Zelback Counties, to have seven 150 ft. pin connected steel spans on concrete piers and abutments, involving 735,000 lb. structural steel, 865 cu.yd. rein.-con. and 1,615 cu.yd. excav., etc. About $108,496. J. E. Kirkham, state bridge engr.

Wash., Seattle—City having plans prepared for vertical lift type bridge over West Waterway on West Spokane St., to have 250 ft. span, allowing 175 ft. clear channel between bridge piers, 58 ft. wide. About $1,500,000. A. H. Dimock, city engr.

Ont., Toronto—City plans to build Gerrard St. Bridge, steel trestle, cost $832,000. R. C. Harris, city engr.

BIDS DESIRED

North Carolina—Until Dec. 17, by State Highway Comn., at Div. office, Greensboro, building bridges on Federal Aid Project 99B, total length 788 ft., Chatham Co., involving 2,203 cu.yd. Class A and 347 cu.yd. Class B concrete, 241,780 lb. reinforcing steel, 3,400 lb. expansion plates and bolts, 390 ft. untreated timber piling, etc. W. S. Fallis, Raleigh, state highway engr. Noted Nov. 25.

Ga., Preston—Until Dec. 14, by W. C. Cave, Jr., div. engr., Americus, building 26 ft. bridge, with rein.-con. deck girder on Preston-Plains Rd., involving 11,000 lb. reinforcing steel for Webster Co. About $40,000.

Fla., Jacksonville—Until Jan. 7, by Jacksonville Terminal Co. and city, building Lee St. viaduct over Jacksonville Terminal yards. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Aug. 12.

Mich., Detroit—Until Dec. 23, by Dept. Pub. Wks. removing 2 pratt trusses, 119 ft. long, 28 ft. on centers and fabricating and erecting new steel bridge on Howard St. over Michigan Central R.R. tracks. About $55,000. Concrete work will be done by Michigan Cental Ry., 15th St. J. Reid, Muncipal Courts Bldg., engr.

Neb., Wayne—Until Dec. 28, by C. W. Reynolds, clk. Wayne Co., building one 20 ft. slab concrete, 18 ft. roadway, between Sects. 22 and 27, Twp. 25, Range 5, east; one 12 ft. arch concrete, 16 ft. roadway, between Sects. 33 and 34, Twp. 25, Range 1, east; one 32 ft. steel girder, 18 ft. roadway, over Buskirk Slough; one 60 ft. steel span, 16 ft. roadway, 20 ton capacity, over Baker Creek; one 30 ft. I-beam, 16 ft. roadway, 15 ton capacity, across Logan Creek. All bids to be made on both 15 and 20 ton capacity.

South Dakota—Until Dec. 14, by State Highway Comn., Rapid City, and Pierre, constructing bridges on Custer-Hermosa-Rapid City Rd., Federal Aid Project 70, Custer Co., to include one 20 ft. and one 30 ft. concrete beam bridges, one 81 ft. span concrete viaduct one 16 ft. span concrete slab bridge and two 50 ft. span steel pony trusses. About $30,000. F. W. Schreiber, Pierre, state highway engr. Noted Dec. 2

South Dakota—Until Dec. 15, by State Highway Comn., at Div. office, Hot Springs, building one 50 ft. steel pony truss over draw, and one 180 ft. rein.-con. viaduct over Fall River, Federal Aid Project 59, Fall River Co., involving 159 cu.yd. Class A and 113 cu.yd. Class D concrete, 20,307 lb. reinforcing and 89,818 lb. structural steel and 58 cu.yd. structure excav. About $23,-970. F. W. Schreiber, Pierre, state highway bridge engr.

Tex., Nacogdoches—Until Dec. 13, by J. M. Marshall, judge Nacogdoches Co., building steel span bridges, on concrete piers, with wooden flooring and 15 ft. roadways, on State Highway 35, Garrison Rd., involving 562 cu.yd. structural excav., 35,000 lb. reinforcing and 248,120 lb. structural steel, 409.9 cu.yd. Class "A" and 278.1 cu.yd. Class "B" concrete, cost, $48,000; bridges on Highway 21, Douglas Rd. west of here, 1,153 cu.yd structural excav., 23,400 ft. lumoer, 68,808 lb. reinforcing and 375,644 lb. structural steel, 571.46 cu.yd. Class "A" and 481.5 cu.yd. Class "B" concrete, $90,-000. L. Acker, co. engr.

Nev., St. Thomas—Until Dec. 20, by C. C. Cottrell, state highway engr., Carson City, building 116 ft. timber truss bridge, over Muddy River, near here, Clark Co., involving 2,200 cu.yd. excav., 300 ft. untreated timber piles, 26,400 ft. timber, etc.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Goffstown**—Town let contract building concrete bridge with concrete abutments, to L. H. Shattuck, Inc. 208 Granite St., Manchester. About $18,000.

★**North Carolina**—State Highway Comn., Raleigh, let contract building bridge on Federal Aid Project 93, Franklin Co., to Sterns Bros., Statesville, $63,486; bridge on Federal Aid Project 48 B, Northampton Co., to A. C. House, Weldon, $11,460. Noted Dec. 2.

★**North Carolina**—State Highway Comn., Raleigh, let contract building bridges and culverts, Federal Aid Project 117 and 127 Wilson Co., to L. J. Smith Constr. Co., Knoxville, $24,266. Noted Nov. 11.

Mich., Detroit—Bd. Rd. Comrs. Wayne Co., 312 County Bldg., received bids sinking pneumatic caissons through earth to rock, distance approximately 80 ft., furnishing all labor and material except cement for 4 caissons and substructure for double leaf bascule type bridge, (substructure and foundations only, included in this job), from Missouri Valley Bridge & Iron Co., 4th and Walnut Sts., Leavenworth, Kan., $358,360; Foundation Co., 209 South La Salle St., Chicago, $398,325; Dravo Contr. Co., Pittsburg, $166,481. Above bids are based on estimates of cost. Terms include $50,000 sliding scale bonus with $15,000 minimum. Noted Oct. 21.

★**Ia., Nevada**—Story Co. let contract building 150 ft. high truss bridge, 20 ft. roadway, to have two I-beam approach spans, to B. Cole, Ames, $23,462.

Minn., St. Paul—City received bids building concrete bridge on Cherokee Heights Blvd., from McManis & Tarnowski, 484 Endicott Bldg., $15,998; G. J. Grant Constr. Co., 902 Exch. Bank Bldg., $19,450; Lovering & Longbotham, 336 Endicott Bldg., $19,463.

Missouri—State Highway Dept., Salem, received bids Nov. 19, building (1) rein.-con. superstructures at various stations, (2) rein.-con. slab superstructure on Sta. 638 plus 18, (3) rein.-con. slab superstructure on Sta. 443 plus 75, all on State Aid Project S 20.11, Dent Co., from Estes-Williams-Ragsdale, Memphis, Tenn., (1) $14,253, (2) $2,827, (3) $3,032; Genl. Constr. Co., St. Louis, (1) $17,313, (2) $3,362, (3) $3,667. Noted Nov. 11 under "Streets and Roads."

★**Tex., Ft. Worth**—Tarrant Co. let contract building 121 ft. rein.-con. arch bridge, to have four 28 ft. spans and 20 ft. roadway, over Marys Creek, to T. A. Griffin, Seevers St., Dallas, $27,223; including 10% for engineering and contingencies. Noted Nov. 4.

B. C., Victoria—City will build substructure for Johnson St. Bridge. About $177,-376. Work will be done by day labor under supervision of F. M. Preston, city engr.

Streets and Roads

PROPOSED WORK

N. Y., Brooklyn—E. Riegelmann, boro. pres., Borough Hall, rejected bids received Nov. 10, regulating and repaving East 16th St. from Ditmas to Newkirk Aves., Nostrand Ave. from Eastern Parkway to Empire Blvd. and Saratoga Ave. from Chauncey St. to Atlantic Ave. Work will be readvertised. Noted Nov. 18.

N. Y., Brooklyn—E. Riegelmann, boro. pres., Borough Hall, rejected bids received Nov. 17, regulating and repaving Corona, Freeman, Jay, Starr, 53rd and 82nd Sts., Kingsland and Nostrand Aves. and Liberty St. Plaza, permanent asphalt on concrete foundation. Work will be readvertised. Noted Nov. 11.

N. Y., New York—H. H. Curran, pres. Manhattan Boro., rejected bids received Aug. 31, regulating and repaving area between parkways on Delancey St. at intersections of Norfolk and Suffolk Sts. Noted Aug. 26.

N. Y., New York—Park Comrs. rejected bids received Nov. 24, repaving Riverside Park, with asphalt mastic. Noted Dec. 2.

North Carolina—State Highway Comn., Raleigh, having plans prepared for 23¾ mi. road from Elizabethtown to Bladen-Cumberland Co. line, Federal Aid Project 120, Bladen Co., involving 45 acres clearing and grubbing, 56,600 cu.yd. common excav., 182 cu.yd. Class "B" concrete headwalls, 55,000 sq.yd. topsoiling, three 30 ft. rein.-con. bridges, etc., cost $103,000; grade, drain and sand-clay surface 16.7 mi. road between Hamlet and Moore Co. line, Federal Aid Project 129, Richmond Co., $100,000. W. S. Fallis, state highway engr.

North Carolina—State Highway Comn., Raleigh, having plans prepared improving 20.3 mi. road between Edentown and Chowan-Gates Co. line, 30 ft. wide, Federal Aid Project 104, Chowan Co., involving 17 acres clearing and grubbing, 81,290 cu.yd. common excav., 39 cu.yd. Class B concrete, 106,910 sq.yd. concrete paving, 32,000 ft. ditches, 40 rein.-con. box culverts and 6 small rein.-con. bridges. About $446,000. W. S. Fallis, state highway engr.

N. C., Burgaw—Comrs. Pender Co. soon receive bids surfacing, grading and draining 20 mi. sand clay road from Still Bluff, via Greens Ferry to Kellys Cove, also building causeway approach to Black River. J. Henry, chn.

N. C., Durham—Comrs. Durham Co. plan to build belt line of sand clay roads around city, also resurface various old macadam roads, probably bituminous treatment. A. P. Carlton, chn.

N. C., Pine View—Johnsonville Twp. plans to grade, drain and surface road. About $40,000. W. H. Johnson, chn. Rd. Comn.

N. C., Wilson—City plans to grade, drain and pave various streets. About $466,000. H. Y. Scott, secy. Chamber of Commerce.

Fla., Bradentown—Comrs. Manatee Co., voted $150,000 bonds to build 25 mi. brick or asphalt road from here to Cortez and down Beach to Anna Maria, with bridge over Cortez Pass.

Fla., Gainsville—Alachua Co. sold $210,-000 bonds to build roads. State and Federal Government have been asked to appropriate like amount.

Fla., Key West—City sold $100,000 bonds to pave streets and $50,000 bonds to build and improve sidewalks.

Fla., Marianna—Comrs. Jackson Co. and State Highway Highway Dept., Tallahassee, plan to build 35 mi. highway from Calhoun Co. line to Alabama state line, passing through here, 14 ft. wide, bituminous macadam or asphaltic concrete. About $500,000. C. M. Brown, state highway engr.

Fla., White Springs—City voted $25,000 bonds to pave 1¼ mi. Main St., 16 ft. wide, brick or asphalt.

La., De Quincy—De Ridder Co. soon receives bids building 4½ mi. concrete sidewalks on various streets. About $50,000. F. Shutte & Sons, Lake Charles, engrs.

O., Cleveland—City receives bids in spring, grading, draining, curbing and paving with brick on concrete base, Sylvia Ave. between East 140th and East 152nd Sts., cost $63,678; Eaglesmere Ave. between East 133rd and East 140th Sts., $38,485. R. Hoffman, 618 City Hall, engr.

O., Columbus—Franklin Co. plans to grade, build bridges and culverts and pave 3½ mi. Lane Ave., 18 ft. wide, bituminous macadam, cost $83,000; 2 mi. Sawmill Rd., 16 ft. wide, waterbound macadam, $37,000; 3 mi. Courtright Rd., 16 ft. wide, waterbound macadam, $74,000. C. C. Lattimer, co. engr.

O., Columbus—Franklin Co. plans to grade, build bridges and culverts and pave 6½ mi. Lockbourne Rd., 16 ft. wide, Hamilton Twp., 5½ mi. Hayes Rd., 16 ft. wide, Hamilton and Madison Twps., 8½ mi. Morse Rd. from Harbor to Reynoldsburg Rds., 16 ft. wide, 5 and 6 in. waterbound macadam; 3½ mi. Lee Rd., 16 ft. wide, Plain Twp., 4 and 5 in. waterbound macadam; 4½ mi. Babbitt Rd., 16 ft. wide, Plain Twp., 3 mi. Stygler Rd., 16 ft. wide, Mifflin Twp., waterbound macadam; grade and pave ½ mi. Denune Ave., 16 ft. wide, 4 and 5 in. waterbound macadam. C. C. Lattimer.

O., Idlewood (Cleveland, P. O.)—Village receives bids in spring building cement or stone sidewalks on Sisby Rd. from Taylor to Warrensville Rds. About $15,000. F. A. Pease Eng. Co., 804 Marshall Bldg., Cleveland, engrs.

Streets and Roads (Contiaued)

Michigan—State Highway Dept., Lansing, soon receives bids for base course gravel on following roads: 3 mi. State Trunk Line Rd. 63-2, Osceola Co.; 3½ mi. Rd. 13-11, Sect. B, Charlevoix Co.; 3 mi. Rd. 24-3, Newaygo Co.; 2½ mi. Rd. 24-4, Sect. A, Newaygo Co.; 5 mi. Rd. 39-2, Ionia Co.; 10 mi. Assessment Dist. Rd. 352, Ionia Co.

Wis., Beloit—City plans to pave Central Ave. from Hubbard to Keeler Sts., Chapin St. from Church to College Sts., Clary St. from Pleasant to Wisconsin Sts., College Ave. from Bushnell to Clary Sts., Eaton Ave. from White to Partridge Sts., Elm St. from Merrill to Liberty Sts., 11th St. from Portland to Liberty Sts., Euclid Ave. from Hackett to Moore Sts., Gerald Ave. from Park to Wisconsin Sts., Hubbard Pl. from Wisconsin to Central Sts., Keeler St. from Prairie to Eaton Sts., Oak St. from St. Lawrence to Liberty Sts., Park Pl. from Church to Eclipse Sts., Partridge Ave. from White to Strong Sts., Portland Ave. from 4th to Lincoln Sts., Strong Ave. from Prairie to Partridge Sts., Woodward Ave. from Wisconsin to Central St., to include 4.2 mi. pavement, laying 1,130 ft. water mains, 600 ft. gas mains, 100 sewer laterals, 18 water laterals and 40 gas laterals. B. E. Wood, city clk.

Wis., Madison—Dane Co. voted to gravel following roads in 1921: Mazomanie-Black Earth Rd., town of Black Earth, cost $16,000; Madison-Cambridge Rd., Blooming Grove, $15,000; Sun Prairie-Columbus Rd., Bristol, $9,000; Madison-Cambridge Rd., Christiana, $7,200; Madison-Cambridge Rd., Deerfield, $10,800; Mazomanie-Black Earth Rd., Mazomanie, $4,000; Marshall-Waterloo Rd. Medina, (including village of Marshall), $10,000; Madison-Sauk City Rd., Middleton, $3,750; Madison-Sauk City Rd., Roxbury, $13,000; Stoughton-Oregon Rd., Rutland, $16,000; Verona-Belleville Rd., Springdale, $9,000; Madison-Lodi Rd., Vienna, $8,000; Madison-Lodi Rd., Westport, $4,000; Sun Prairie-Columbus Rd., York, $9,000. F. M. Lipke, co. highway comr.

Wis., Waunakee—City plans to grade, pave, curb and gutter 1.1 mi. Main St., 16 ft. wide, 2 course rein.-con. Cost between $25,000 and $30,000. Engineer not selected.

Minn., Grand Rapids—Bd. Comrs. Itasca Co. receives bids about Jan. 10 building 20 mi. road out of here. About $250,000.

Minn., Hastings—Dakota Co. plans to issue $250,000 bonds to build roads during 1921. C. L. Methven, Hastings, engr.

Minn., Sleepy Eye—City soon receives bids paving 25 blocks various streets. About $100,000. J. W. Shaffer & Co., 917 New York Life Bldg., Minneapolis, engrs.

Minn., Wadena—City receives bids about Jan. 1, paving 16 blocks various streets. About $150,000. J. W. Shaffer, 917 New York Life Bldg., Minneapolis, engrs.

S. D., Deadwood—Comrs. Lawrence Co. plan to grade Boulder Canyon Highway from here to Whitewood. About $50,000.

Missouri—State Highway Dept., Salem, received no bids Nov. 19, building 10.5 mi. East State Rd. from Salem westward, 24 ft. wide, State Aid Project S 20.11, Dent Co. About $24,634. Noted Nov. 11.

Mo., Fulton—Calloway Co. had plans prepared for grading, relocating and building bridge on 1 mi. Mexico-Fulton Rd., 12 ft. wide. About $41,407. W. P. Diver, Fulton, engr.

Mo., Liberty—Clay Co. plans to pave 10.6 mi. Kansas City-Liberty Rd., bituminous macadam. About $230,000.

Tex., Lufkin—Angelina Co. having plans prepared grading, surfacing and building steel bridges and timber trestles on 8 mi. Highway 35 from here to Nacogdoches Co. line, involving 64 acres clearing and grubbing, 80,000 cu.yd. earth excav., 250 cu.yd. rein.-con., 16,000 cu.yd. gravel, 1,000 lin.ft. timber trestle and 40,000 lb. structural steel. About $96,250. L. Acker, Nacogdoches, engr.

Tex., Waco—City voted $100,000 bonds to improve various streets. H. R. Seward, city engr.

Tex., Waco—McLennan Co. having plans prepared surfacing 5.16 mi. Highway 7 from here to Tehuacana Creek, involving 45,400 sq.yd. bituminous macadam, 45,400 sq.yd. cover material, 2,028 cu.yd. gravel, 22,703 gal. asphalt. About $26,291. M. Hannah, co. engr.

Tex., Waxahachie—Ellis Co. had plans prepared and soon receives bids grading, surfacing and draining 11.82 mi. Exall Highway 14, involving 37,219 cu.yd borrow and 17,617 cu.yd. earth excav., 31,195 cu.yd. gravel, 36,284 lb. reinforcing steel, 433.65 cu.yd. 1:2:4 and 86.65 cu.yd. 1:2½:5 concrete. About $266,205. G. H. Edwards, Ennis, engr.

Col., Boulder—City had plans prepared paving University Hill Dist., involving 43,000 qu.yd. asphalt on concrete base. About $227,000. J. Randolph, City Hall, engr.

Col., Boulder—City receives bids about Feb. 1, tearing up and repaving streets in business section, involving 53,500 sq.yd. asphalt on concrete base. About $241,000. J. Randolph, City Hall, engr.

Col., Manitou—Town receives bids latter part of January paving all cross streets intersecting Manitou Ave., bitulithic or concrete, cost $40,000; Manitou Ave. from Deer Path to Ruxton Aves., bitulithic or concrete $50,000. Wieland Eng. Co., Pueblo, engrs.

Idaho, Burley—City plans to curb, gutter and pave sidewalks, in Impvt. Dist. 20. About $85,000. E. D. Davis, clk.

Wash., Seattle—Comrs. King Co. plan to pave 10 mi. highway around Lake Washington. About $350,000.

California—State Highway Comn., 514 Forum Bldg., Sacramento, soon receives bids constructing 2 mi. old county highway, 20 ft. wide, near Goleta, Santa Barbara Co., 6 in. concrete. Cost exceeds $10,000. A. B. Fletcher state highway engr.

Cal., San Diego—Common Council having plans and specifications made for paving West Point Loma Blvd., Voltaire, Abbott and Defoe Sts., Newport and Point Loma Aves., total length 25,680 lin.ft. F. A. Rhode, city engr.

Cal., Santa Monica—City plans to pave, curb and build sidewalks on various streets. Plans include improving of 7th St. from Delaware to Colorado Aves. About $185,000. J. A. Morton, city engr.

BIDS DESIRED

Delaware—Until Dec. 22, by State Highway Dept., Dover, constructing 4.51 mi. state highway from St. Georges to Tybouts Corner, Castle Co., Contr. 33; advertised in this issue.

North Carolina—Until Dec. 17, by State Highway Comn., at Div. office, Greensboro, improving 3.72 mi. road between Mt. Gilead and Wadeville, Federal Aid Project 33, 16 ft. wide, Montgomery Co. W. S. Fallis, Raleigh, state highway engr. Noted Nov. 25.

North Carolina—Until Dec. 17, by State Highway Comn., at div. office, Greensboro, improving 1¾ mi. road from Richardson Creek Bridge via Monroe, to Benton Heights, Federal Aid Project 39, 16 ft. wide, Union Co., involving 17,710 sq.yd. cement concrete base and header course, 20,070 sq.yd. 2 in. Topeka surfacing, 3,330 cu.yd. common excav. and reshaping old macadam, and 356 tons crushed stone. W. S. Fallis, Raleigh, state highway engr. Noted Dec. 2.

Louisiana—Until Dec. 20, by State Highway Dept., Maison Blanche Bldg., New Orleans, gravel surfacing roads in Bienville, Caddo, De Soto, Richland and other parishes. About $4,000,000.

Louisiana—Until Dec. 20, by Bd. State Engrs., 332 Maison Blanche Annex Bldg., New Orleans, building 3.75 mi. Shreveport-Arkansas Line Highway, and 5.75 mi. Shreveport-Mansfield Highway.

Michigan—Until Dec. 14, by State Highway Dept., at dist. office, Kalamazoo, building Federal Aid Project 32, Allegan Co. Work involves 16,000 cu.yd. beach gravel.

Mich., Sandusky—Until Dec. 22, by State Highway Dept., at office Bd. Rd Comrs. Sanilac Co., grading, draining and surfacing 5.526 mi. State Trunk Line Rd. 19-2 Sect. A., involving 20,161 cu.yd. excav., 51,801 sq.yd. gravel or stone gravel surface, etc.

Ia., Boone—Until Dec. 20, by Comrs. Boone Co., hauling and placing gravel on 13.69 mi. country roads, involving 20,530 cu.yd. gravel. J. A. Illeman, engr.

Ia., Hampton—Until Dec. 16, by [illegible] Franklin Co., improving 10.57 mi., involving 50,925 cu.yd. excav. and [illegible] lin.ft. 6 in. tile. F. S. Currie, Hampton.

Ia., Sioux City—Until Dec. 21, by [illegible] Woodbury Co., improving 16.37 mi., involving 188,236 sq.yd. paving, 66,[illegible] yd. excav., 1,980 lin.ft. 6-12 in. tile. H. L. Taylor, Sioux City, engr.

Kan., Leavenworth—Until Dec. [illegible] Leavenworth Co., grading, building culverts and bridges on 3.044 mi. Fort to Fort Highway, Sec. A and B, Federal Aid Project 52, 18 ft. wide. About $85,000. [illegible] Clark, Leavenworth, engr.

South Dakota—Until Dec. 14, by State Highway Comn., at Rapid City and Pierre, grading and constructing drainage structure on 11.96 mi. Custer-Hermosa-Rapid City Rd., 36 ft. wide, Federal Aid Project 70, Custer Co., involving 5,099 cu.yd. solid rock, 4,283 cu.yd. loose rock and 111 cu.yd. common excav., 32,098 yd. station haul of excav., 335 cu.yd. Class A and 152 cu.yd. Class B concrete, 25,500 lb. reinforcing steel, 1,990 lin.ft. 15-36 in. corrugated iron or concrete pipe, etc. About $122,870. F. W. Schreiber, Pierre, state highway engr. Noted Dec. 2.

South Dakota—Until Dec. 15, by State Highway Comn., at Div. office, Hot Springs, grading, draining and graveling 5.31 mi. Hot Springs-Oelrichs Rd., Federal Aid Project 59, Fall River Co., involving 26,416 cu.yd. solid rock, 4,435 cu.yd. loose rock, 57,049 cu.yd. earth and 574 cu.yd. structure excav., 2,409 cu.yd. cement rubble masonry, 1,159 yd. gravel surfacing, 522 cu.yd. Class A, 87.3 cu.yd. Class B and 38 cu.yd. Class D concrete, 42,976 lb. reinforcing steel and 16,555 ft. lumber. About $190,000. F. W. Schreiber, Pierre, state highway engr. Noted June 10.

Missouri—Until Jan. 6, by State Highway Dept., Warsaw, building 3.19 mi. Warsaw Rd., State Aid Project S 20.16, Benton Co., involving 14,834 cu.yd. earth and 1,289 cu.yd. rock excav., 120.7 cu.yd. Class "B" and 6.4 cu.yd. Class "C" concrete masonry, 8,390 lb. reinforcement for concrete masonry, etc. About $20,623. Noted Dec. 2.

Missouri—Until Jan. 27, by State Highway Dept., Kingston, building 3.57 mi. Kingston-Richmond Rd., State Aid Project S 20.22, Caldwell Co., involving 16,704 cu.yd. earth excav., 3,262 cu.yd. borrow, 88.6 cu.yd. Class "B" and 19.8 cu.yd. Class "C" concrete masonry, 7,379 lb. reinforcement for concrete masonry, etc. About $20,161. Noted Dec. 2.

Col., La Junta—Until Jan. 3, by city, for paving in Dist. 1. Bids will be received on concrete, asphaltic concrete or bitulithic. S. W. Brown, clk.; advertised in this issue.

Nevada—Until Jan. 15, by State Highway Dept., Carson City, surfacing 15 mi. state road from Halleck to Elko, 20 ft. wide, Elko Co., involving 35,000 cu.yd. gravel surfacing, etc. C. C. Cottrell, state highway engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Massachusetts—State Dept. Pub. Wks., Div. Highways, Boston, let contract paving 7,500 ft. state road between Southwick and Westfield, 2 in. bituminous macadam, on stone foundation, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $33,760. Noted Dec. 2.

Rhode Island—State Bd. Pub. Rds., State House, Providence, received bids Dec. 1, reconstructing section state highway in Town of Scituate, beginning ½ mi. east from village of North Scituate and extending west from Danielson Pike for distance of 5 mi., from Powes Bros., North Montello St., Brockton, Mass., $158,857; Susi Bros. & Co., Boston, $160,051; B. Perini & Son, Inc., Ashland, Mass., $169,149. Noted Nov. 18.

New Jersey—State Highway Comn., Trenton, received bids Dec. 1, grading Route 3, Ancora-Atco Sect., Camden Co., involving 15,349 cu.yd. excav. and 13,418 cu.yd. extra embankment, from Weldon Contg. Co., Broad St., Westfield, $56,883; J. H. Hurley, 153 East Front St., Trenton, $63,753; Seaman, Latzkuf & Smith, Pleasantville, $78,658. Noted Nov. 18.

★N. C., Bentonville—Bentonville Twp. let contract grading, draining and surfacing road, sand clay, to P. R. Ashby, Raleigh. About $30,000.

Streets and Roads (Continued)

★**N. C., Nashville** — Town let contract curbing, guttering and paving various streets with 2 in. Warrenite bitulithic on 5 in. cement concrete base, to R. G. Lassiter & Co., 327-33 Monticello St. Arcade Bldg., Norfolk. About $125,000. Noted Sept. 16.

★**Ga., Albany**—Dougherty Co. will build 2¼ mi. Dixie Highway, by day labor. Contract for top dressing oil asphalt let to Early Constr. Co., Augusta. Total cost $100,000.

★**Louisiana**—State Highway Dept., New Orleans, let contract gravel surfacing 35.01 mi. road in Claiborne Parish, to Davis & Younger, 407 Grain Exch. Bldg., Oklahoma, Okla., $350,000.

★**Michigan** — State Highway Dept., Lansing, let contract grading, draining and surfacing State Trunk Line Rd. 72-2, Alcona Co., to L. W. Edison, Lincoln. Work involves 27,937 cu.yd. excav., $0.67 per cu. yd.; 29.2 cu.yd. 1:2:4 concrete, $25; 69.5 cu.yd. 1:3:6 concrete, $24; 47,182 sq.yd. gravel surface, $0.78, etc., total cost $62,495.

★**Ill., Lockport**—City let contract building asphaltic concrete pavement on Hamilton St., to R. F. Conway Co., 133 West Washington St., Chicago, $215,902. Noted Nov. 25.

★**Ia., Des Moines**—Polk Co. let contract graveling 8 mi. Granger Rd., 24 ft. wide, to E. L. Hughes, Des Moines, $0.74 and $0.44 per yd.

★**Ia., Hampton**—Franklin Co. let contract graveling road 8½ mi. west of Chapin and 1½ mi. on county road east of Geneva, 24 ft. wide, to R. E. Carr, Ames, $17,000.

★**Ia., Kimberly** — City let contract for 9,350 sq.yd. Warrenite-bitulithic pavement on 4 in. crushed rock foundation, and 13,200 sq.yd. Warrenite-bitulithic pavement on 3 in. crushed rock foundation, to Warren Constr. Co., Journal Bldg., Portland, Ore.

★**Ia., Le Mars**—Plymouth Co. let contract grading 20 mi. road from Merrill to Cherokee Co. line, 24 ft. wide, to A. L. Cook, Ottawa, Kan., $0.45 per cu.yd.

★**Ia., Webster City** — Hamilton Co. let contract grading 11 mi. Grant Highway east of here, 24 ft. wide, to C. A. Barnes, 323 5th St., Des Moines. About $35,000.

★**Kans., Salina**—Saline Co. let contract grading 1.989 mi. road, 18 ft. wide, to W. B. Stingley, Manhattan, $10,968; building culverts, to J. W. Norton, Salina, $8,898. Noted Oct. 21.

★**Mont., Billings**—Comrs. Yellowstone Co., let contract building 3 mi. Federal Aid Project 124, between Mason and Laurel, 24 ft. wide, to A. Carlson, Columbus, $35,080. Noted Oct. 14.

★**Tex., Ballinger**—Runnels Co. let contract grading, surfacing and draining 5.76 mi. Ballinger-Abilene Rd., to E. Shelton, Ballinger, $39,573, including 10% for engineering and contingencies. Noted Nov. 11.

Tex., Brownsville—Cameron Co. received bids grading, surfacing and draining 5.93 mi. Highway 12, Harlingen-San Benito Rd., from W. T. Montgomery, Alamo Bank Bldg., San Antonio, $58,028; Fitch Constr. Co., Brownsville, $70,132. Work involves 10 acres clearing and grubbing, 80 cu.yd. concrete, 60,000 lb. reinforcing material in pavement, 15,000 cu.yd. stone, gravel and sand, 43,500 sq.yd. concrete pavement, 39,100 cu.yd. earth and 60 cu.yd. structural excav., etc.

Tex., Brownsville—Cameron Co. received bids grading, surfacing and draining 4 mi. Highway 12, from here to Olmito, from W. T. Montgomery, Alamo Bank Bldg., San Antonio, $37,547; Fitch Constr. Co., Brownsville, $46,652. Work involves 90 acres clearing and grubbing, 3,700 lb. reinforced material in pavement, 10,000 cu.yd. crushed stone, sand and gravel, 18,603 cu. yd. earth, 550 cu.yd. dry and 570 cu.yd. wet structural excav., 520 cu.yd. Class "A" and 200 cu.yd. Class "B" excav., etc.

Tex., Center—Shelby Co. received bids grading, surfacing and draining 35.5 mi. Highway 22 from San Augustine Co. line to Louisiana State Line, from Smith, Harralson & Welling, Houston, $232,129, cash basis; Smith Bros., Crockett, $319,410, par on bonds and accrued interest; H. F. Bland, San Augustine, $312,068, par on bonds. Work involves 144,031 cu.yd. earth and 1,150 cu.yd. loose rock excav., 105.68 cu.yd. Class "A" concrete, 35,300 cu.yd. gravel to be furnished by county, cost $111,548, 4,522 lb. reinforcing steel, etc. Noted Nov. 18.

Tex., Daingerfield—Morris Co. received bids Nov. 23, grading, surfacing and draining (1) 10.68 mi. State Highway 1-A, 12 ft. wide, (2) 2.66 mi. Morris-Choctaw Trail, Highway 35, 12 ft. wide, from C. W. Burgess, 710 Haines St., (1) $84,787, (2) $33,436; Smith Bros., Crockett, (1) $87,414, (2) $34,436; N. B. Gregory, Texarkana, (1) $85,073, (2) $34,166. Noted Nov. 18.

★**Tex., Dallas**—City let contract surfacing 2,200 ft. Thomas Ave. from Hall to McKinney Sts., 30 ft. wide, asphalt on concrete base, to Uvalde Paving Co., 1001 Main St., $76,384; 300 ft. Dickason St. from Douglas to Wycliffe Sts., 30 ft. wide, asphalt on concrete base, to Texas Bitulithic Co., Praetorian Bldg., $10,000.

★**Tex., Ft. Worth**—City let contract for 13,452 sq.yd. Warrenite-bitulithic pavement on 5 in. concrete base, to Texas Bitulithic Co., 1101-6 Praetorian Bldg., Dallas.

★**Tex., Hillsboro**—Hill Co. let contract grading, surfacing and draining highways in Irene Special Rd. Dist. 8, to Brown & Root, Taylor, $64,270. Work involves 60,000 cu.yd. borrow and 5,000 cu.yd. earth excav., 20,000 lb. reinforcing steel (12,000 cu.yd gravel to be furnished by county), 200 cu.yd. Class "A," 50 cu.yd. Class "B" and 10 cu.yd. Class "C" concrete, etc.

★**Tex., Houston** — City let contract for 2,300 sq.yd. Warrenite-bitulithic pavement on 6 in. concrete base, to Gulf Bitulithic Co., Houston.

Tex., Linden—Cass Co. received bids Nov. 22, grading, surfacing and draining 10.99 mi. State Highway 1-C, Atlanta Rd., from Smith Bros. and Healey Constr. Co., c/o Smith Bros. Crockett $80,665; N. B. Gregory, Texarkana, $86,039. County to furnish 17,197 cu.yd. gravel surfacing, cost $26,438. Noted Nov. 18.

Tex., Nacogdoches — Nacogdoches Co. received bids Nov. 15, grading surfacing and draining 9.73 mi. Highway 35, Lufkin Rd., from here to Angelina Co. line, 15 ft. wide, from H. F. Bland, San Augustine, $76,839; Smith Bros. Crockett, $99,819; J. S. Moore & Sons, Lufkin, $108,072. Noted Nov. 11.

Tex., Nacogdoches—Nacogdoches Co. received bids Nov. 15, grading, surfacing and draining (1) 23.17 mi. Highway 21, from Gonzales to San Augustine, (2) 19.58 mi. Highway 35, Garrison Rd., from here to Shelby Co., from H. F. Bland San Augustine, (1) $172,319 (2) $138,607; Smith Bros., Crocket, (1) $212,731, (2) $173,149; J. S. Moore & Son, Lukin, (1) $235,975, (2) $189,114. Noted Nov. 11.

Tex., Orange—Orange Co. received bids grading, paving and draining 4.98 mi. Highway 3, Orange-Beaumont Rd., from Houston Constr. Co., 3102 McKinney St., Houston, $223,271; W. Moore & Co., Texas City, $236,628; Sherman Constr. Co., Mexia, $237,173. Work involves 12.24 acres clearing and grubbing, 21,609 cu.yd. borrow and 9,249 cu.yd. earth excav., 11,161 lb. reinforcing steel, 45,662 sq.yd. concrete pavement, 145.5 cu.yd. Class "A" and 33.6 cu.yd. Class "B" concrete.

★**Tex., Sherman**—Grayson Co. let contract grading surfacing and draining 7.37 mi. Jefferson Highway 11, 12 and 16 ft. wide, to Womack Constr. Co., Sherman, $74,896; including 10 per cent for engineering and contingencies. Noted Dec. 2.

Utah—State Highway Dept., Salt Lake City, received bids Nov. 20, paving 2.1 mi. road, 18 ft. wide, Washington Co., bitulithic on crushed rock base, from Workman & Isom, St. George, $55,956; J. L. Griffiths, 2137 South 10 East St., Salt Lake City, $69,048; Reynolds-Ely Constr. Co., Salt Lake City, $74,259.

★**Utah, Ogden**—City let contract for 4,200 sq.yd. Warrenite-bitulithic pavement on 3½ in. dense asphaltic concrete base, to Moran Paving Co., Felt Bldg., Salt Lake City.

★**Cal., Fresno**—City let contract for 19,983 sq.yd. Warrenite-bitulithic pavement on 3½ in. asphaltic concrete base, to Thompson Bros., 1514 H St.

Cal., Los Angeles—City received bid Nov. 22, improving Fawn Ave. between Reservoir and point 1,080 ft. northeast, from S. McCray, 469 West Ave. 59, $30,711.

★**Cal., Pasadena**—City let contract improving San Miguel Rd. between Colorado St. and Mitrodale Rd., to J. E. Haddlock, 357 North Chester Ave., $10,037.

★**Cal., Venice**—City let contract improving 4th Ave. between Bway. and Rose Ave., to Braun, Bryant & Austin, Santa Monica, $20,515.

★**N. S., Fairview**—Dept. Railways & Canals, Western Blk., Ottawa, let contract grading locomotive terminal yards here, for Canadian Nath. Ry., to Dominion Constr. Co., Moncton, N. B. About $16,800.

Railways

PROPOSED WORK

West Virginia—Morgantown & Wheeling Ry., Morgantown, plans to build second track from Randall to Osage. About $30,000. R. E. Kerr, Morgantown, receiver.

Florida—See "Miscellaneous" under Jacksonville.

South Dakota—Chicago, Milwaukee & St. Paul Ry., 80 East Jackson Blvd., Chicago, plans to extend tracks, rearrange yards and build passenger station, at Sioux Falls. About $200,000. C. F. Loweth, Chicago, ch. engr.

Ontario—City of Toronto plans to build 1 mi. street railway on Bloor St. from Sherbourne to Broadview Aves., cost $185,000, install insulated negative feeder line on Danforth Civic Ry., cost $31,350.

Excavation and Dredging

PROPOSED WORK

N. C., Swan Quarter—Dredging—Hyde Co. D. D. 2 plans to issue $393,000 bonds, half of which is to pay for work already done and balance for new light dredge work. J. A. Leigh, chn.

Ia., Muscatine — Ditch — Muscatine Co. had surveys made for 3 mi. open ditch in Sub-Dist. 1 of D. D. 13, involving 60,000 cu.yd. excav. About $20,000. Central States Eng. Co., Muscatine, engrs.

Idaho, Caldwell—Canal—Pioneer Irrigation Dist. election Dec. 20 to vote on $215,000 bonds to line several miles of side hill canal, with concrete, also build cement head gates and purchase drag line dredge. F. L. Evans, secy.

BIDS DESIRED

Ia., Hampton—Ditches—Until Dec. 16, by E. D. Hecker, aud. Franklin Co., building ditches, involving 50,925 cu.yd. excav., 54,115 lin.ft. 6 in. tiling, etc. About $30,000. F. S. Currie, co. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Fla., Tampa**—Dredging—City let contract dredging 24 x 250 x 800 ft. slip, involving 380,000 cu.yd. excav., to Seaboard Dredging Co., Durkee Bldg., Jacksonville, at $.29 per cu.yd. Noted Nov. 11.

Industrial Works

PROPOSED WORK

Mass., Allston (Boston P. O.)—T. L. Harkins Machine Co., 50 Farnsworth St., South Boston, had plans prepared for 2 story, 50x100 ft. rein.-con. plant, rein.-con. flooring, concrete foundation, on Union Sq. Architect not announced.

Mass., Natick—Griess Pfleger Tanning Co. of Massachusetts, P. O. Box 271, plans to build large addition to plant, also large storage and warehouse. Private plans.

Mass., Pittsfield—Pittsfield Electric Co., 92 Renne Ave., plans to build brick, concrete and steel addition to power plant. Cost between $100,000 and $125,000. Architect not selected.

Mass., Salem—M. and A. I. Rudnick, 40 Court St., Boston, plans to build 4 story, 200 x 200 ft., rein.-con. plant, rein.-con. flooring, concrete foundation, on Essex St. Private plans.

Conn., New Haven—Connecticut Sash & Door Co., 451 Grand Ave., plans to construct 3 brick and steel buildings to replace those destroyed by fire. Loss $70,000. Private plans.

N. Y., Jamaica — Metropolitan Tobacco Co., 22 Bergen Ave., having plans prepared by Koch & Wagner, archts. and engrs., 32 Court St., Brooklyn, for 1 story, 80 x 115 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, on Bergen Ave. and Bergen Pl. About $80,000.

Industrial Works (Continued)

N. Y., New York—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., rejected bids received Nov. 11, constructing housing stations for Dept. Street Cleaning, on Canal, West and Spring Sts.; 17th St. and Ave. C; Rivington, Tompkins and Mangin Sts.; cost $85,000, $85,000 and $130,000 respectively. Work will be readvertised. Noted Nov. 18.

N. Y., New York—A. C. Chesley & Co., 277 Rider Ave., having plans prepared by P. J. Murray, archt. and engr., 141 East 40th St., for 2 story, 50x200 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, on 132d St. and Cypress Ave. About $100,000. Noted Oct. 7.

N. J., Foul Rift (Helvidere P. O.)—W. C. Albertson and S. L. Mershon plan to build power house transmission line and dam across Delaware River. Fort, Hunt & Shipman, 31 Clinton St, Newark, engrs.

N. J., Maurer—Lockwood-Green, archts and engrs., 101 Park Ave., New York City, open bids about Dec. 20, constructing power house, manufacturing and machinery buildings, rein.-con. and steel, rein.-con. flooring, concrete foundations, here, for Barber Asphalt Paving Co., Land Title Bldg., Phila. About $1,000,000. Noted Nov. 11.

Pa., Williamsport—Vallamont Building & Planing Mill Co., 1009 Market St., plans to build 6 story, 100x200 ft., rein.-con. and brick, mill and warehouse, on Pine and Court Sts. About $100,000. J. C. Winter, pres.

Md., Baltimore—G. R. Vincent, 212 Light St., having plans prepared by E. G. Blanke, archt., 532 North Calvert St., for 3 story, 127 x 140 ft., brick and concrete, at 3-7 North Paca St. About $60,000.

N. C., Raleigh—J. L. Dorming c/o Raleigh Ice & Cold Storage Co., plans to build ice manufacturing plant and cold storage house, brick, on West Hargett St. About $100,000. Architect and engineer not selected.

Ga., La Fayette — Consolidated Textile Corp., 11 Thomas St., New York City, plans to build 2 story, brick and steel addition to mill, here. About $150,000. J. E. Sirrine & Co., Greenville, S. C., archts. and engrs.

Ga., Savannah—Georgia Ice Co. plans to build 2 story, 60 x 150 ft., rein.-con. and brick addition to ice plant. About $35,000. A. M. Dixon, Box 1352, mgr.

Ga., West Point—West Point Mfg. Co. plans to construct picker house, opener room and machine shop additions, to cover 60,000 sq.ft. floor space, rein.-con., brick and steel, concrete flooring. About $200,000. L. W. Robert, Candler Bldg., Atlanta, engr.

Fla., Jacksonville—See "Miscellaneous."

La., New Orleans — International Harvester Co., 606 South Michigan Ave., Chicago, Ill., had preliminary plans prepared for plant, here. About $6,000,000. Private plans.

Ky., Louisville—Kentucky Iron & Steel Co., Jones and N Sts., plans to build plant. About $550,000.

Ky., Louisville—Natl. Candy Co., c/o Brodes & Theens, 829 South Floyd St., plans to build addition to factory. About $1,000,000.

Ky., Louisville—Southern Wood Products Co., c/o L. Klarer, Jr., secy. and treas., 106 North Western Parkway, plans to build auto body plant. About $100,000.

O., Cincinnati—Cincinnati Gas & Electric Co., 114 West 6th St., plans election to vote on $50,000,000 bonds to install 4th turbine generating unit. Fifty per cent of turbine unit to supply power to city car line. C. D. Jones, pres.

O., Cleveland—City Ice Delivery Co., Cadillac Bldg., plans to build 1 story brick and steel plant, brick foundation, on Saranac Rd. About $50,000. O. C. Coneby, c/o owner, archt. and engr.

O., Cleveland—Keystone Bolt & Nut Mfg. Co., c/o W. Krejci, 502 Ullmer Bldg., plans to build 2 story, 50 x 100 ft., brick and steel factory, brick foundation, on East 93rd St. About $75,000. Private plans.

O., Columbus — State Highway Comm., Stoneham Bldg., had plans prepared by V. Redding, archt., 30 Bird Bldg., Mansfield, for 1 story, 100x150 ft., brick garage and number of corrugated iron sheds. About $175,000.

O., Warren—Youngstown Steel Co. purchased 425 acre site 3 mi. north of here, adjacent to Mahoning Ave., and plans to cost $5,000,000. H. Bixler, Realty Trust Bldg., Youngstown, ch. engr.

O., Warren—Western Reserve Motor Car Co. purchased 200 acre site, near here, and plans to build large manufacturing plant. First unit will be 2 story, 80 x 450 ft., and cost $200,000. R. K. Johnson, 1181 East 99th St., Cleveland, pres.

Ind., Crown Point—See "Buildings."

Mich., Port Huron—C. Kern & Co. plans to build 2 story ice plant, concrete brick and steel, rein.-con. flooring, concrete foundation. About $100,000. Private plans.

Wis., Benson (Randall P. O.)—See "Miscellaneous."

Wis., Boscobel—G. L. Hunt Mfg. Co. plans to build 2 story, 60 x 85 ft., concrete, brick and steel factory, on Main St. About $50,000. Architect not selected.

Wis., Glidden—Northern Wood Products Co. plans to build 2 story, 85 x 110 ft., concrete, brick and steel factory, rein.-con. flooring, concrete foundation, on Main St. About $55,000. Architect not selected.

Wis., Manitowoc — Manitowoc Products Co., 10th and Washington Sts., having preliminary plans prepared by W. J. Raeuber, archt., 826 South 8th St., for 2 story, 55 x 142 ft., brick, rein.-con. and steel factory, brick foundation, on Washington St.

Wis., Merrill—Wisconsin Cheese Producers Assn., Plymouth, plans to build 2 story, 60 x 250 ft., rein.-con. and steel warehouse and office, brick foundation, on Main St., here. About $100,000. Architect not selected.

Wis., Milwaukee—Atlas Bread Co., 927 Central Ave., having plans prepared by A. Koch, archt., Wells Bldg., for 2 story, 60x160 ft., concrete and brick addition to bakery, rein.-con. flooring concrete foundation. About $75,000.

Wis., Milwaukee — Milwaukee-Muskegon Ry. & Navigation Co., c/o Assn. of Commerce, Y. M. A. C. Bldg., plans to build rein.-con. and brick terminal, rein.-con. flooring, concrete and pile foundation, on 12th St. About $2,000,000. Architect and engineer not selected.

Wis., Mineral Point—Fiedler Motor Co., c/o E. C. Fiedler, proprietor, having revised plans prepared by H. Kleinhammer, archt., Platteville, for 1 and 2 story, 100 x 136 ft., concrete brick and steel garage rein.-con. flooring, concrete foundation, on Main and Atwater Sts. About $80,000.

Wis., Plymouth — Plymouth Phonograph Co. plans to build 2 or 3 story, 60 x 185 ft., rein.-con. and brick factory, concrete foundation, on Main St. About $75,000. W. A. Thomas, pres. Architect not selected, probably private plans.

Wis., Sheboygan Falls—P. Kwekkelboom, 10th Ave., having plans prepared by M. Howard, archt., Sheboygan Falls, for 2 and 3 story, 65 x 120 ft., garage, office and salesroom, brick, rein.(-con. and tile, rein.-con. flooring, brick foundation.

Wis., Valders—W. E. Christel having preliminary plans prepared by Juul-Smith, archts., Imig Bldg., Sheboygan, for 2 story, 50 x 85 ft., rein.-con. and brick garage and office, rein.-con. flooring, concrete foundation, on Main St. About $75,000.

Minn., Albert Lea—C. C. and R. G. Lang plan to construct canning plant, to include 3 story, 50 x 70 ft. main factory, 30 x 30 ft. boiler room, 50 x 50 ft. corn husking house, 60 x 80 ft. warehouse and 50 x 50 ft. shed. Architect not announced.

Minn., St. Paul—E. Swanson, 129 Lafond St., having plans prepared by W. D. MacLeith, archt., 432 Endicott Bldg., for 1 story, 112 x 140 ft. rein.-con., brick and terra cotta garage, on Selby Ave. and Dunlap St. About $45,000.

Ark., Springdale—Welch Grape Juice Co., Portage St., Westfield, N. Y., plans to build factory, here. About $375,000. J. F. Welch, vice-pres.

Que., Montreal—United Press Co., Notre Dame St. W., plans to build plant. About $50,000.

Que., Montreal — Salada Tea Co., 155 Berkeley St., Boston, Mass., having plans prepared by Dinsmore & Le Clear, archts., 88 Broad St., Boston, for remodeling 10 story, 65 x 85 ft., concrete and brick plant and office building, on St. Lawrence Blvd., here. About $150,000.

Que., Quebec—P. A. Beaulieu, 37 Bourlarque St., soon receives bids building brass foundry. About $50,000.

Ont., Kingsville — Conklin Planing [illegible] plans to rebuild plant recently destroyed by fire. Loss $50,000.

Ont., Toronto—City plans to build machine shop, cost $385,000, also asphalt plant, $140,000. R. C. Harris, city engr.

B. C., Vancouver—Coast Range Steel [illegible] 419 Metropolitan Bldg., recently incorporated with capital stock of $15,000, plans to build large steel plant near here. H. J. Landahl, organizer.

BIDS DESIRED

Mass., Brockton—G. L. Falk, archt., [illegible] Main St., receiving bids building 1 story, 125 x 250 ft. mill construction plant [illegible] con. flooring, concrete foundation, on North Montello St., for Baker Realty Co. About $75,000.

Mass., Cambridge — W. T. Littlefield, archt. and engr., 9 Hamilton Pl., Boston, receiving bids building 1 story, brick and steel plant addition, rein.-con. flooring, concrete foundation, for G. Lawrence Inc., 24 Cambria St. About $40,000. Noted Aug. 5.

Mass., Taunton—Until Dec. 13, by Jackson & Moreland, archts., 387 Washington St., Boston, altering concrete and steel electric lighting plant for city. About $75,0000.

N. C., Kinston—Until Dec. 14, by Mayor and City Council, building power plant, auxiliary pumping station, chimney, foundations, etc. W. C. Olsen, Kinston, engr. Noted Nov. 25.

O., Cleveland—Until Dec. 15, by Natl. Carpet & Rug Mfg. Co., 1971 West 50th St., building 2 story, 40 x 120 ft., brick and steel factory, brick foundation, on Lorain Ave. About $75,000. Whitworth & Johnson, 413 Engineers Bldg., archts. Noted Dec. 2.

Ill., Centralia—Consulting Co., archts., 2801 Union Central Bldg., Cincinnati, O., receiving bids building 2 story, 60 x 400 ft., concrete brick and steel factory, concrete foundation, here, for Amer. Rubber Co., 1526 South Wabash St., Chicago. About $100,000.

Ill., Chicago—Marshall & Fox, archts., 721 North Michigan Ave., receiving bids building 3 story, 296 x 310 ft., rein.con., brick, steel and stone power plant, rein.-con. flooring, concrete foundation, on 100th St. and Commonwealth Ave., from Commonwealth Edison Co., 72 West Adams St. Cost including equipment $5,000,000. Sargent & Lundy, 72 West Adams St., engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., South Boston** (Boston P. O.)—J. West Thread Co., 297 Congress St., Boston, let contract building 3 story, 60 x 100 ft., rein.-con. addition to plant, rein.-con. flooring, concrete foundation, on Covington St., to Aberthaw Constr. Co., 27 School St., Boston. About $75,000.

★**Mass., South Egremont** — Berkshire Stone Products Corp., Boston, let contract building 3 lime kilns, stone crushing plant, saw sheds, 60 x 400 ft. crane and runway, various frame buildings, 1½ mi. standard and narrow gauge railroad and 1 mi. pole line for power transmission, at plant, here, to J. R. Hampson & Co., Inc., Pittsfield. About $100,000.

★**N. Y., Brooklyn**—Callen Bros., 78 19th St., let contract building four 1 story, brick, steel and concrete warehouses, rein.-con. flooring, concrete foundations, on 19th St. near 3rd Ave., to L. J. Rice, 78 19th St.

★**N. Y., Brooklyn**—Eclipse Box & Lumber Co., 425 Greenpoint Ave., let contract building 1 story, 200 x 300 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, on Russell St., to Parsons & Lantry, 30 Church St., New York City. About $100,000.

★**N. Y., Brooklyn**—C. Giovinco, c/o C. P. Cannella, archt., 1163 Herkimer St., will build 1 story, 25 x 115 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on Maujer St. About $50,000. Work will be done by day labor.

★**N. Y., New York**—Spring St. Garage Co., c/o F. J. Schefeick, archt. and engr., 4168 Park Ave., will build 1 story, 100 x 225 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Fordham Rd. and Hughes Ave. About $50,000. B. Neiburg, pres. Work will be done by day labor.

Industrial Works (Continued)

★**N. Y., Sherman Island** (Glens Falls, P. O.)—International Paper Co., 30 Broad St., New York City, let contract building rein.-con. and steel hydro-electric plant, concrete foundation, here, to Barclap Constr. Co., 84 Pine St., New York City. About $5,000,000.

★**Ala., Birmingham**—Continental Gin Co., 3330 10th Ave., let contract building 132 x 400 ft. foundry and 100 x 300 ft. machine shop, each 1 story rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to H. K. Ferguson Co., 6523 Euclid Ave., Cleveland, O. About $500,000.

★**La., New Orleans** — Apex Paper Co., Paris Ave. and New Orleans Terminal R.R., will build 1 story, 40 x 90 ft., concrete and steel warehouse and factory. About $50,-000. Work will be done by day labor. Architect not selected.

★**Mich., Detroit**— Anchor Bldg. Co. c/o F. J. Winter, archt., 2331 Dime Bank Bldg., let contract building 2 story, 50 x 100 ft. brick and steel printing shop, concrete foundation, on West Grand Blvd. and Fort St., to Krieghoff Co., 1187 Bellevue Ave. About $50,000.

★**Mich, Detroit**—Detroit Evening News Co., Lafayette Blvd., let contract building 1 story, 90 x 140 ft. rein.-con., brick and steel garage, rein.-con. flooring, concrete foundation, to H. G. Christman Co., 315 Stevens Bldg. About $75,000. Noted Oct. 14.

★**Ill., Chicago**—J. Eiszner, c/o Foltz & Brand, archts., 111 West Washington St., let contract building 4 story, 70x120 ft., concrete and brick factory, concrete foundation, on Kinzie and Curtis Sts., to F. E. Doherty, 133 West Washington St. About $100,000.

★**Ill., Chicago**—Chicago Wet Wash Laundry, c/o Ronenberg, Pierce & Hauber, archts., 10 South La Salle St., let contract building 2 story, 64 x 152 ft., rein.-con. and brick laundry, concrete foundation, to Great Lakes Constr. Co., 308 South Wabash St. About $65,000.

★**Wis., Cedarburg**—Wetzel Art Furniture Co., 1367 Green Bay Ave., Milwaukee, let contract building 2 story, 40 x 120 ft., brick, rein.-con. and steel factory, brick foundation, on Main St., here, to J. Vollmer, Main St. About $75,000.

★**Wis., Fond du Lac**—Fountain City Ice Cream & Dairy Co., 218 South Main St., let contract building 2 story, 60 x 112 ft. dairy, concrete, rein.-con. flooring, concrete foundation, on West Division St., to L. Schroeder, 93 7th St. About $60,000; cost plus percentage basis. Noted Oct. 21.

★**Wis., Port Wing**—Northern Wisconsin Hydro-Electric Power Co. will build hydro-electric power plant and rein.-con. dam, with 75 ft. head, across Iron River. About $200,000. Work will be done by day labor.

★**Col., Ault**—Great Valleys Sugar Co., Central Savings Bank Bldg., Denver, let contract building factory, here, to Schwarz Eng. Co., Mack Blk., Denver. About $1,000,-000; cost plus percentage basis.

★**Col., Lafayette**—Great Valleys Sugar Co., 800 Central Bank Bldg., Denver, let contract building factory, here, to Schwarz Eng. Co., Mack Blk., Denver. About $1,000,000; cost plus percentage basis.

★**Que., Three Rivers**—Three Rivers Pulp & Paper Co. let contract building pulp and paper plant and necessary wharves and docks, etc., to W. I. Bishop Ltd., New Berks Bldg., Montreal. About $500,000.

Buildings

PROPOSED WORK

Mass., Boston—Office—Salada Tea Co., 155 Berkeley St., having revised plans prepared by Densmore & Le Clear, archts. and engrs., 88 Broad St., for 9 story, 100 x 125 ft., concrete and stone addition, on Stewart and Berkeley Sts. Noted Mar. 25.

Mass., Boston—Theatre—Selwyn Theatre Corp., 229 West 42nd St., New York City, having plans prepared by H. W. Crane, archt., 160 North Ashland St., Chicago, for brick and stone, brick foundation, here. About $500,000.

Mass., East Boston (Boston P. O.)—Theatre—Funk & Wilcox, archts. and engrs., 294 Washington St., Boston, prepared plans for 2 story, concrete, brick and steel, rein.-con. flooring, here. About $150,000. Owner's name withheld.

Mass., Framingham—Parish House—First Unitarian Church having plans prepared by C. M. Baker, archt., Equitable Bldg., Boston, for 2 story, 45 x 180 ft. brick and steel.

Mass., Holyoke—School—City plans to build 2 story, brick and steel, in Lawrence School Dist. About $250,000. Architect not selected.

Mass., Newburyport—Church—St. Paul's Episcopal Church having plans prepared by W. G. Perry, archt., 50 Congress St., Boston, for rebuilding brick and stone. About $75,000. R. C. Sturgis, 120 Boylston St., Boston, associated archt.

Mass., Worcester—Library—City plans to build brick and stone. About $1,000,000. Architect not selected.

Conn., Darien—Theatre—G. H. Philcox, Grove St., plans to build 3 story, 70 x 120 ft. brick and concrete, on Post Rd. About $75,000. Private plans.

Conn., New Haven—Gymnasium and Hall—Fraternal Order Eagles, 26 Crown St. plans to build 50 x 170 ft., on College St. About $75,000. Architect not selected.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, having plans prepared by C. B. J. Snyder, archt. and engr., Municipal Bldg., New York City, for P. S. 136, brick, stone and steel concrete foundation, on 4th Ave. between 40th and 41st Sts. About $650,000.

N. Y., Ithaca—Laboratory—Cornell University, Roberts Hall, plans to build 5 story, 190 x 268 ft., stone and brick. Gibb & Waltz, Trust Co. Bldg., archts.

N. Y., New York—College—J. B. Snooks Sons, archts. and engrs., 261 Bway., soon let contract building 4 story, brick, steel and stone, brick foundation, at 309-315 East 34th St., for College of Dental & Oral Surgery, West 35th St. About $200,000. Noted May 27.

N. Y., New York—Store and Office—J. B. Snook Sons, archts. and engrs., 261 Bway., soon let contact altering 4 story, brick and stone, at 26 Beekman St., for J. Ridley, c/o architects. About $100,000.

N. J., Atlantic City—Club—B. P. O. E. plan to build new club. About $1,000,000. C. Bacharach, 108 St. Charles Pl., chn.

N. J., Newark—Church and Hall—First German Presbyterian Church, College Pl. had plans prepared by A. C. Sieder, archt., 45 Clinton St., or 1 story, 60 x 92 ft. church, on Osborne Terrace and Yates Ave., and 1 story, 50 x 95 ft., parish hall, on Hawthorne Ave. About $200,000.

N. J., Spring Lake—Community House—Town having sketches made by F. E. Newman, archt. and engr., 120 East 40th St., New York City, for brick, steel and stone, concrete foundation, on Brighton St. About $100,000. J. Hemphill, chn.

N. J., Summit—School—Bd. Educ. having plans prepared by Guilbert & Betelle, archts., 2 Lombardi Sts., Newark, for 4 story school. About $50,000.

N. J., Trenton — Home — New Jersey Childrens Home Society, Brunswick Ave., plans to build new home. About $150,000. J. C. Tattersall, 407 West State St., chn.

Pa., Phila.—Theatre—Selwyn Theatre Corp., 229 West 42nd St., New York City, having plans prepared by H. W. Crane, archt. and engr., 160 North Ashland St., Chicago, for brick and stone, brick foundation, here. About $500,000.

Pa., York—Theatre—N. Appell of York and J. and I. Silverman, 1512 11th Ave., Altoona, having plans prepared by H. C. Hodgens, archt. 130 South 15th St., Phila. for 4 story, steel and concrete, 2,250 seating capacity on North George and Philadelphia Sts. About $500,000.

Md., Baltimore—Hospital—Union Protestant Infirmary, Division and McMechen Sts., having plans prepared by J. E. Sperry, archt., 409 Calvert Bldg., for 6 story, brick and stone, stone foundation, on Guilford and 33rd Sts. About $1,500,000.

Md., Baltimore—Theatre—Rialto Theatre, 444-48 Equitable Bldg., having plans prepared by G. S. Childs, archt., 306 St. Paul St., for brick and concrete, concrete foundation, at 846-48 West North Ave. About $100,000.

Md., Catonsville (Baltimore P.O.)—Hospital—State Lunacy Comn., 330 North Charles St., Baltimore, having plans prepared by H. P. Hopkins, archt., 347 North Charles St., Baltimore, for brick addition. About $75,000.

D. C., Chevy Chase (Wash. P. O.)—Church—F. A. Nelson, archt. and engr., 15 West 38th St., New York City, soon lets contract building 1 story, 40 x 90 ft. brick and stone, for Presbyterian Church. About $100,000. H. R. Johnson, Cliffbourne Pl., N. W., Wash., D. C., pastor.

N. C., Monroe—School—City election Dec. 15, to vote on $200,000 bonds to build school.

N. C., Winston-Salem — Hotel — W. H. Bruce and L. W. Kyles plan to build on North Depot St. About $100,000.

S. C., Columbia—College—Chicora College for Women, 1617 Blanding St., plans to construct several buildings on 60 acre site. C. C. Wilson, Palmetto Bldg., archts. and engrs. Noted May 13.

Fla., Tampa—Business and Lodge—Tampa Consistory, Scottish Rite, had plans prepared by M. L. Elliott, archt., Curry Bldg., for 3 story, 105 x 105 ft., tile, brick, terra cotta and granite, rein.-con. flooring. About $150,000. A. B. Stewart, Penn Phone Bldg., chn. building com.

Miss., Hattiesburg — High School — City voted $75,000 bonds to build new high school and $6,000 to repair existing school.

Miss., Hattiesburg — Hall — City voted $100,000 bonds to build city hall.

Tenn., Nashville—Hotel—F. J. Frahn, archt., Independent Life Bldg., is interested in corporation which plans to build hotel in West End. About $1,000,000. Owners name withheld.

Tenn., Nashville—Y. M. H. A., 712 Union St., plans to construct building. About $175,000.

O., Castalia—School—Bd. Educ. having plans prepared by F. L. Packard, archt., Hayden Bldg., Columbus, for 2 story, 8 room, brick and concrete. About $125,000. W. Rogers, Jr., clk. Noted Nov. 11.

O., Cleveland—Bank—Central Natl. Bank, Kirby Bldg., had plans prepared by Knox & Elliott, archts., Kirby Bldg., for remodeling 1 story, marble and steel, on West 6th St. and Superior Ave. About $75,000.

O., Cleveland—Bank—G. B. Post & Sons, archts., Schofield Bldg., opens bids about Dec. 20, building 2 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 55th St. and Woodland Ave., for Cleveland Trust Co., East 9th St. and Euclid Ave. About $100,-000. Noted Sept. 23.

O., Clevelard — Temple — Euclid Ave. Temple, c/o L. Wolsey, East 82nd St. and Euclid Ave., plans to build 1 story, brick, steel and stone addition, brick foundation, on East 82nd St. and Euclid Ave. About $50,000. Architect not selected.

O., Cleveland — Terminal — Detroit & Cleveland Transit Co., c/o D. C. McIntyre, mgr., foot of East 9th St., plans to construct 1 story, 150 x 400 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation. About $800,000. Private plans.

O., Middletown—High School—Bd. Educ. plans to build 2 story, fireproof, on 6th St. About $500,000. P. T Banker, chn. Bldg. Com. Architect not selected.

O., Middletown — Schools — Bd. Educ. plans to build two 2 story, fireproof schools, one on Edgewood Ave. and other on Linden Ave. About $260,000, each. P. T. Banker, chn. bldg. com. Architect not selected.

O., Venice—School—Bd. Educ., Castalia, having plans prepared by F. L. Packard, archt., Hayden Bldg., Columbus, for 2 story, brick and concrete, here. About $75,000. W. Rogers, Jr., clk.

Ind, Chesterton—J. G. Johnson, trustee, Lafayette, plans to build 2 story, school, here. About $100,000. Architect and engineer not selected.

Ind., Crown Point—Administration, etc. —J. N. Coleman, archt., 6257 St. Lawrence St., Chicago, receives bids about Jan. 1, constructing 2 story, 65 x 240 ft. rein.-con. administration building; 2 story, 50 x 80 ft., rein.-con. service building, 2 story, 50 x 50 ft. power plant, two 1 story, 35 x 180 ft. pavilions, ordinary construction, stucco exterior, here, for Crown Point Hospital. About $350,000.

Ind., Crown Point—Nurses' and Children's Home, etc.—Crown Point Hospital plans to build 2 story, 50 x 100 ft. nurses' home, fireproof; 1 story, 45 x 240 ft., children's home, fireproof, stucco exterior; eight minor buildings, averaging 1 story, 50x65 ft. fire-

Buildings (Continued)

proof; four 1 story, 85x180 ft. pavilions, fireproof, stucco exterior. About $450,000. J. N. Coleman, 6257 St. Lawrence Ave., Chicago, archt.

Ind., Decatur — Hospital — Bd. Comrs Adams Co. plans to build 2 story, hospital. About $100,000. Architect and engineer not selected.

Ind., Franklin—Memorial—Grand Lodge F. & A. M., Masonic Temple, Indianapolis, plans to build memorial, here. About $150,000. Architect and engineer not selected.

Ind., Indianapolis—Hospital—Bd. Pub. Wks. having plans prepared by W. F. Russ, archt., 313 North Pennsylvania St., for 3 story, 88 x 175 ft., rein.-con., brick and steel, rein.-con. flooring, on Margaret St. About $400,000.

Ind., Kendallville—Noble Tire & Rubber Co. receives bids after Jan. 1, building 2 story, 50 x 200 ft., brick and tile factory, rein.-con. flooring. About $75,000. A. M. Strauss 207 Bank Blk., Ft. Wayne, archt.

Ind., Loree—High School—Bd. Educ. receives bids about Jan. 1, building 2 story, 95 x 97 ft., brick, stone and concrete, rein.-con. flooring. About $80,000. E. E. Dunlap Co., 909-10 State Life Bldg., Indianapolis, archts. Snider & Rotz, 703 Merchants Bank Bldg., Indianapolis, engrs.

Ind., Marion—School—J. M. Clifton, trustee, plans to build 2 story, 65 x 75 ft., brick and stone. About $120,000. H. G. Bowstead, Marion, archt.

Ind., Peru—Theatre—Loomis Amusement Co. receives bids after Jan. 1, building 2 story, 63 x 130 ft. addition, terra cotta and stucco, tile and concrete flooring. About $85,000. E. E. Dunlap & Co., 909-10 State Life Bldg., Indianapolis, archts.

Ind., Richmond — Memorial — Study & Farrar, archts., Arcade Bldg., St. Louis, Mo., will probably receive bids in spring, constructing 1 story, white stone memorial building, for Wayne Co. About $500,000. Noted Aug. 19.

Mich., Battle Creek — School — J. D. Chubb, archt., 109 North Dearborn Ave., Chicago, receives bids about Jan. 1, building 3 story, 75 x 400 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, here, for Bd. Educ. About $400,000.

Mich., Detroit—School—United Hebrew School, c/o E. Rabonowitz, 230 East High St., having plans prepared by I. M. Lewis, archt., Congress Bldg., for 2 story, 60 x 250 ft. rein.-con., brick and steel, concrete foundation, on St. Antoine St. and Kirby Ave. About $200,000. Noted Oct. 14.

Mich., Detroit—Theatre—Selwyn Theatre Corp., 229 West 42d St., New York City, having plans prepared by H. W. Crane, archt., 160 North Ashland St., Chicago, for brick and stone, brick foundation, here. About $500,000.

Mich., Detroit—Theatre and Store—H. Silverman, c/o M. H. Finkel, archt., Majestic Bldg., having plans prepraed for 2 story, 130 x 140 ft. brick and steel, on Hamilton and Tuxedo Aves. About $150,000.

Mich., Flint—Jail—Bd. Supervs., Genesee Co., c/o F. W. Brennan, plans to build 3 story, rein.-con., brick and steel addition. About $75,000. Architect not selected.

Mich., Jackson—Church—First Methodist Episcopal Church, West Main St., receives bids in spring remodeling and enlarging 3 story, stone. About $250,000. F. Spence, pastor.

Mich., Port Huron—School—St. Stephens Parish, c/o W. Devereaux, chn., plans to build 3 story, rein.-con. brick and steel, on 7th St. About $100,000. Architect not selected.

Ill., Big Rock—Schools—School Bd. plans to build high school and addition to grade school, concrete and brick, concrete foundation. About $100,000. J. N. Coleman, 6257 St. Lawrence St., Chicago, archt.

Ill., Buckley—High School—School Bd. plans to build 1 story, 114x120 ft., concrete and brick concrete foundation. J. N. Coleman, 6257 St. Lawrence Ave., Chicago, archt.

Ill., Chicago — Club — Chicago Yacht Club, Grant Pl., foot Monroe St., having plans prepared by A. N. Rebori, archt., 410 South Michigan Blvd., for 1 story, 60 x 180 ft., concrete, brick and steel, concrete foundation, on Lincoln Park Blvd.

Ill., Chicago—Hotel—J. A. Armstrong, archt., 127 North Dearborn St., opens bids about Dec. 15, building 8 story, 100 x 170 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Kenmore St. and Belmoral Ave., for Northern Beach Hotel Co., c/o architect. About $1,000,000.

Ill., Chicago—Office—Hilton Co., Inc., 793 Broad St., Newark, N. J., plans to build 100 x 123 ft., on State and Jackson Sts., here. Cost between $1,000,000 and $2,000,000. Architect not selected.

Ill., Chicago—Store—Peoples Furniture Co., 1930 South Halstead St., plans to build 2 story, 75x125 ft., concrete and brick, concrete foundation, on Archer Ave. and South Richmond St.

Wis., Appleton — Memorial — Outagamie Co. plans to build 3 story, rein.-con., stone and brick. About $200,000. Architect not announced.

Wis., Green Bay—Hospital—Methodist Deaconess Hospital Assn. plans to build 3 story, rein.-con., brick and tile addition. About $110,000. Bellin-Buchanan, Bellin-Buchanan Bldg., doctors. Architect not selected.

Wis., Janesville—High School—Bd. Educ. having plans prepared by Van Ryn & De Gelleke, archts., Caswell Blk., Milwaukee, for superstructure of 3 story, 180 x 200 ft., rein.-con. and brick. About $500,000.

Wis., Kaukauna — Lodge — Kaukauna Loyal Order of Moose plans to build 2 and 3 story, 60 x 130 ft., rein.-con., tile and brick, concrete foundation, on Lowe St. About $75,000. Architect not selected.

Wis., Kenosha—Hotel—W. W. Ahlschager, archt., 65 East Huron St., Chicago, receives bids about March 1, building Algonquin Hotel, 10 story, 95x132 ft., rein.-con., rein.-con. flooring, concrete foundation, for Sheridan Hotel Co., here. About $1,500,000. Noted Oct. 14.

Wis., La Crosse—Home—Organized Catholic Charitable Assn., 608 South 11th St., conducting campaign to raise $5,000,000 funds to build home for aged, etc. A. Schwebach, bishop. Architect not announced.

Wis., Mendota—Schools—Bd. Educ. having plans prepared by E. T Tough, archt., 24 East Mifflin St., Madison, for remodeling high and grade schools and building 2 story, 40 x 80 ft. and 21 x 80 ft. additions to same, rein.-con. and brick. About $100,000. T. M. Risk, clk.

Wis., Merrill—Office—See "Industrial Works."

Wis., Milwaukee—Bank—Wisconsin State Bank, 508 11th Ave., having preliminary plans prepared by R. Messmer & Bros., archts., Majestic Bldg., for 1 story, 52 x 80 ft., concrete and brick, rein.-con. flooring, concrete foundation, on Greenfield Ave. About $100,000.

Wis., Milwaukee—Church—Evangelical Lutheran Church, 1168½ 25th Ave., having plans prepared by A. Dohmen, archt., 68 Wisconsin St., for 1 and 2 story, 56 x 120 ft. and 50 x 70 ft. concrete and brick, rein.-con. flooring, concrete foundation, on Layton Blvd. About $150,000.

Wis., Milwaukee—Natatorium—City having plans prepared by C. E. Malig, archt., City Hall, for 1 story, 50 x 100 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on Prairie St. About $75,000. Noted Jan. 29.

Wis., Portage—Clubhouse—B. P. O. E. 675 plan to build 3 story, 70 x 130 ft., concrete and brick, rein.-con. flooring, concrete foundation. About $100,000. M. Hettinger, secy. Architect and engineer not selected.

Wis., Sheboygan Falls—Office, Salesroom, etc.—See "Industrial Works"

Wis., Two Rivers—High School—J. D. Chubb, archt., 109 North Dearborn St., Chicago, receives bids about Jan. 1, building 3 story, 96x110 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, here, for Bd. Educ. About $400,000. Noted Nov. 25.

Wis., Valders—Office, etc.—See "Industrial Works."

Wis., Viroqua—Hospital—City having plans prepared by Parkinson & Dockendorff, archts., Linker Bldg., La Crosse, for 2 story, 36x86 ft., rein.-con., brick and tile. About $125,000. L. Roseland, mayor.

Wis., Whitewater — Gymnasium — Bd. Educ. having plans prepared by Bentley Bros., engrs., Majestic Bldg., Milwaukee, for 2 story, 56 x 90 ft. concrete brick and steel, rein.-con. flooring, concrete foundation, on Main St. About $75,000.

Ia., Cedar Rapids—Court House and Jail—Linn Co. election Dec. 27, to vote $1,300,000 bonds to build 3 story, 12[illegible] ft., rein.-con., brick and tile, on island between 3d and 4th St. Bridges. J. W. Rich, Urbana, Ill., archt. Noted Dec. 2.

Ia., Cedar Rapids—High Schools—Bd. Educ. receives bids about Feb. 1, building 4 high schools, each 3 story, 100 x 2[illegible] rein.-con., brick, tile and stone. [illegible] cost. $1,200,000. J. A. Motyl, secy. Tustison, 355 Auditorium Bldg., Minneapolis, Minn., engr. Hugh & Zalesky, 811 Securities Bldg., Des Moines, archts. Noted Nov. 18.

Ia., Council Bluffs—Church—First Baptist Church had plans prepared by W. [illegible] Jones, archt., 30 North La Salle St., Chicago, for 50 x 125 ft., brick and stone. About $150,000.

Ia., Davenport — Hall — Odd Fellows Lodge, 1720-4th Ave., plans to build 3 or 4 story, rein.-con., brick and tile, on 4th and Main Sts. About $350,000. Architect not announced.

Ia., Des Moines—Hospital—Salvation Army, South East 6th St. and Indianola Rd., had plans prepared by Sawyer & Watrous, archts., 401 Hippee Bldg., for 2 story, 54 x 136 ft., rein.-con., brick, tile and stone. About $150,000. W. Andrews, brigadier.

Ia., Dyersville—Bank—Arney Co., archts., 10 South La Salle St., Chicago, receives bids after Dec. 15, building 1 and 2 story, 22 x 150 ft., rein.-con. and brick, concrete foundation, for Farmers State Bank, here. About $75,000.

Ia., Gowrie—School—Bd. Educ. plans to build 2 story. About $155,000. Architect not selected.

Ia., Lytton—School—City voted $150,000 bonds to build school. Architect and engineer not selected.

Ia., Marshalltown — School — Bd. Educ. had plans prepared by Tyrie & Chapman, archts., 1206 2nd Ave. S., Minneapolis, Minn., and receives bids in spring, building 3 story, 34 x 148 ft., rein.-con. and brick. About $150,000. W. M. Clark, secy. C. L. Pillsbury Co., 1206 2nd Ave. S., Minneapolis, Minn., engs. Noted March 25.

Ia., Osage—Temple—Masonic Lodge having plans pepared by M. B. Cleveland, archt., 601 Natl. Bank Bldg., Waterloo, for 2 or 3 story, rein.-con. and brick. About $100,000.

Ia., Tripoli—School—Bd. Educ. had plans prepared and receives bids about Feb. 15, building 3 story, 64 x 100 ft., rein.-con., brick and tile grade and high schools. About $200,000. H. W. Bockhause, pres. Keffer & Jones, 204 Masonic Temple, Des Moines, archts.

Minn., Eveleth—Lodge—Elks Lodge, c/o E. Hatch plans to build 2 story, rein.-con., brick and stone, on Jones St. About $150,000. Architect not announced.

Minn., Mankato—High School—Bd. Educ. plans to build 2 or 3 story, rein.-con. brick, tile and stone. About $300,000. E. F. Searing, secy. Architect not selected.

Minn., Milaca—Hotel—H. J. Letford, St. Charles, plans to build rein.-con. and brick here. About $75,000. Architect not announced.

Minn., Minneapolis — Auditorium — Civic Music League, 2818 Oakland Ave., plans to build 10 story, rein.-con., brick, tile and stone. About $1,000,000. F. J. Mueller, pres. Architect not selected.

Minn., Minneapolis — Bank — Bankers Natl. Bank, 5th St. and Hennepin Ave., plans to construct bank building at 29-33 5th St. Cost several thousand dollars. C. L. Atwood, pres. Architect not announced.

Minn., Minneapolis — Library — Minneapolis Library Bd., 10th St. and Hennepin Ave., plans to build 2 or 3 story, rein.-con. brick and stone, on Hennepin Ave. and Groveland Terrace. Cost to exceed $1,000,000. D. D. Dayton, secy. Architect not selected.

Minn., Minneapolis—Theatre—Orpheum Theatre Corp., 190 North State St., Chicago, having revised plans prepared by Kirchoff & Rose, archts., Majestic Bldg., Milwaukee, Wis., for theatre on Hennepin Ave. and 9th St. New plans call for decrease in size. About $600,000. M. Beck, mgr.

Minn., Northfield—Dormitory—Carleton College receives bids in spring building 4 story, 40 x 100 ft. rein.-con., brick and tile addition. About $300,000. D. J. Cowling, pres. Holmes & Flinn, 8 South Dearborn St., Chicago, Ill., archts. Noted Oct. 21.

Buildings (Continued)

Kan., Coffeyville—Hotel—Chamber Commerce having plans prepared by Shepard & Wiser, archts., Long Bldg., Kansas City, Mo., and receives bids about March 15, building 5 story, 100 x 140 ft. rein.-con., rein.-con. flooring. About $300,000.

Neb., Columbus—Hospital and Chapel—St. Marys Hospital had plans prepared by C. Wurdeman, archt., Columbus, for 5 story, 44 x 81 ft. addition to hospital, and 40 x 90 ft. chapel, rein.-con. and brick. Address Sister Superior Aegidia.

Neb., Fremont—Seminary—Midland College plans to build 2 story, Theological Seminary on Military Ave. About $100,000. Architect not selected.

Neb., McCook — Hospital — Dominican Sisters plan to build hospital. About $100,000. Architect not selected.

Neb, Nebraska City—City Hall—City voted $100,000 bonds to build city hall.

S. D., Flandreau—School—Bd. Educ. plans to build 2 story, rein.-con. and brick. About $125,000. H. S. Morgan, supt. Architect not selected.

S. D., Miller — Temple — Masonic Temple Assn. had plans prepared by Edwins & Edwins, archts., 911 Northwestern Bldg., Minneapolis, Minn., for 2½ story, 40x90 ft., rein.-con. and brick. About $125,000.

S. D., Sioux Falls—Passenger Station—See "Railways" under South Dakota.

S. D., Spencer—Temple—Masonic Order plans to build rein.-con., tile, and brick. About $125,000. Architect not announced.

N. D., Underwood—High School—Bd. Educ. soon receives bids building 2 story, rein.-con. and brick. Election soon to vote on $100,000 bonds for project. E. Espy, pres. W. D. Gillespie, 64½ Bway., Fargo, archt.

Mo., Kansas City—Synagogue—Keneseth Israel congregation, 1425 Locust St., having plans prepared by S. H. Kurliss, archt., Scarritt Bldg., for 1 story, 75x120 ft., brick, stone and steel, on 34th and Paseo Sts. About $200,000.

Mo., Springfield—Temple—Shrine Temple Bd. Trustees plans to build temple. About $250,000. C. G. Mark, Landers Bldg., secy. Architect not selected.

Wash., Spokane—Armory—State Armory Bd. will ask State Legislature (Olympia), to appropriate $200,000 to enlarge armory here. Preliminary plans call for 3 story, 50 x 155 ft. addition on west end of building, and third story will also be built on east end of armory. J. Zittel, Jaimeson Bldg., archt.

Cal., Azusa — School — Azusa and Glendora School Dists. election Dec. 14 to vote on $300,000 bonds to purchase site and erect building for Citus Union High School. J. C. and W. H. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, archts.

Cal., Bakersfield—Temple—Masonic Order had plans prepared by C. Werner, archt., Humboldt Bank Bldg., San Francisco, for 4 story, concrete, 58 ft. high, covering lot 122 x 152 ft. on 18th St., here. About $200,000.

Cal., Carmarillo—School—Pleasant Valley School Dist., retained M. Marston, archt., 535 I. W. Hellman Bldg., Los Angeles, to prepare plans for school 6 room, tile, concrete foundation. About $75,000.

Cal., San Pedro—Hotel—J. D. Evans preparing plans for 7 story, on 10th and Leland Sts. About $1,000,000. Private plans.

Cal., Sawtelle — Hospitals—Natl. Headquarters for Soldiers Home, New Court House, Dayton, soon receives bids building two 2 story, 54 x 364 ft. rein.-con., here. W. A. Munsell, 414 Stimson Bldg., Los Angeles, archt.

Ont., Ft. William—Club House—Canada Iron Foundries Ltd., receives bids in March building concrete and brick concrete foundation. About $75,000. Private plans.

BIDS DESIRED

Mass., Boston—Office—Chamber of Commerce, 177 Milk St., receiving sketches for 12 story, 100 x 184 x 184 ft. concrete and steel, rein.-con. foundation, on Federal Franklin and Congress Sts. About $6,500,000. Architect and engineer not selected.

Conn., Hartford—School—Until Dec. 15, by Northwest School Dist. building 2 story, concrete, brick and steel, rein.-con. floering, concrete foundation, on Holcomb St. About $235,000. W. D. Johnson, 174 Bond St., archt. Noted Oct. 21.

N. Y., Yonkers—High School—Bd. Educ. receiving sketches for 60 room high school. Address E. Yerks, chn. com. on architecture and construction.

N. J., Camden—Clubhouse—J. E. Fieldstein, archt., Pennfield Bldg., Phila., receiving bids building 3 story, 40 x 108 ft., brick, here, for B. P. O. E., c/o architect. About $100,000.

Pa., Phila—Nurses Home—Until Dec. 20, by F. R. Watson, archt., 1211 Walnut St., building 5 story, 84 x 161 ft., concrete and brick, for St. Agnes Hospital, Broad and Mifflin Sts.

Md., Baltimore—School—Until Dec. 15, by Bd. Awards, building 3 story, 76 x 271 ft. brick and stone, concrete foundation, on Latrobe Park and Fort Ave. About $300,000. O. G. Simonson, Maryland Casualty Tower, archt. H. F. Adams, 1261-69 Calvert Bldg., engr. Noted Nov. 4.

Md., Prince Frederick—High School—Until Jan. 15, by W. M. Gieske, archt., 65 Gunther Bldg., Baltimore, building 3 story, 54 x 88 ft., mill construction, stone foundation, here for Bd. Educ. About $75,000.

D. C., Wash.—School—Until Dec. 17, by Dist. Comrs., Dist. Bldg., constructing 8 room addition to Takoma Park School 118, Piney Branch Rd. and Dahlia St.; advertised in this issue. Noted Oct. 28.

Fla., Ft. Myers—School—Until Jan. 3, by Lee Co. School Bd., building 2 story, 60 x 100 ft. brick, rein.-con. flooring. J. D. McFerron, supt., F. J. Kennard, 409 Amer. Bank Bldg., Tampa, archt.

Ky., Paducah—Schools—Until Dec 15, by Bd. Educ., building Augusta Tilghman High School, also Lincoln and Franklin Grade Schools, brick and stone. About $200,000. Nevin, Henry & Wischmeyer, 1317 Starks Bldg., Louisville, archts.

O., Cleveland—Bank and Office—T. M. James Co., archts. and engrs., 501 Blackstone Bldg., receiving bids building 6 story, 65 x 120 ft., concrete, brick and stone, brick and concrete foundation, on East 79th St. and Euclid Ave., for Lake Shore Banking & Trust Co., Osborn Bldg. About $750,000.

Ind., Evansville—Schools—Miller, Fullenwider & Dowling, archts., 6 North Michigan St., Chicago, receiving bids building two 3 story, one 70 x 120 ft. and other 108 x 174 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, for Evansville College. About $400,000.

Ind., North Salem—School—G. Sellers, trustee, receiving bids building 2 story, 10 room, 77 x 78 x 152 ft., brick and stone. About $100,000. R. F. Daggett, 962 Lemcke Annex, Indianapolis, archt. R. W. Nolan, Lafayette, engr.

Mich., Allegan — High School — J. D. Chubb, archt., 109 North Dearborn St., Chicago, receiving bids building 3 story, 100 x 155 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, here, for Bd. Educ. About $175,000. Noted Jan. 8.

Mich., Detroit—Market—Until Dec. 15, by Rogers, Bonnah & Chaffee, archts., 528 Farwell Bldg., constructing 1 story, 100 x 100 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on Cadillac Sq., for T. Barlum & Sons. About $75,000. Noted Nov. 11.

Mich., Pontiac—Jail—Until Jan. 3, by Oakland Co., building 4 story, 44 x 170 ft. About $320,000.

Ill., Chicago—Church and Social Center—E. E. Hall, archt., 123 West Madison St., receiving bids building 1 and 2 story, 123 x 140 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Ellendale and Greenview Aves., for Evangelical Lutheran Immanuel Church, c/o architect. About $400,000. Noted Nov. 11.

Ill., Chicago—Exchange—Holabird & Roche, archts., 104 South Michigan Blvd., receiving bids building Oakland Exchange, 3 story, 100 x 150 ft., rein.-con., rein.-con. flooring, concrete foundation, on 44th and Drexel Sts., for Chicago Telephone Co., 212 West Washington St. About $250,000. Noted July 22.

Ill., Chicago—Office—Union Liberty Co., c/o W. W. Ahlschlager, archt., 65 East Huron St., receiving bids building 15 story, 60 x 80 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Clark St., near Washington St. About $400,000.

Wis., Iron Belt—School—Until Jan. 15, by Chairman School Bd., building 2 story, 75 x 100 ft. grade and high school, brick, rein.-con. flooring and foundation, to include gymnasium and auditorium. About $80,000. Kelly & Shefelnik, Alworth Bldg., Duluth, Minn., archts. and engrs.

Wis., Milwaukee—Commercial—Until Dec. 16, by Lesser & Schutte, archts., 68 Wisconsin St., building 5 story, 20 x 130 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, for J. and S. Polacheck, 250 West Water St. About $75,000.

Ia., Pocahontas—High School—Until Dec. 30, (change of date), by Bd. Educ., building 2 story, 56 x 110 ft., rein.-con., brick and stone. About $150,000. F. Jensen, secy. W. E. Hulse & Co., 309 Securities Bldg., Des Moines, archts. Noted Nov. 25.

Minn., Aitkin—Court House—Until Jan. 2, by H. O. Beecher, and Aitkin Co., building 2 story, 140x190 ft. rein.-con., brick and steel, reinf.-con. flooring and foundation. About $250,000. Tolz, King & Day, 1410 Pioneer Bldg., St. Paul, archts. and engrs. Noted Oct. 28.

Minn., Fergus Falls—Armory—Until Jan. 15, by J. Townley, secy. Bd. State Militia, (Fergus Falls), building 2 story, 100 x 175 ft. brick and steel, rein.-con. flooring and foundation for State Militia Dept., St. Paul. Dennis & Knowles, Fergus Falls, archts. and engrs.

N. D., Englevale—School—Until Dec. 20, by Bd. Educ., building 2 story, rein.-con., brick and tile. About $75,000. H. I. Ameck, pres. G. L. Horton, Citizens Natl. Bank Bldg., Minneapolis, Minn., archt.

Mo., St. Louis—Hotel—Until Jan. 15, by T. P. Barnett, archt., Arcade Bldg., constructing 12 story, 50x200 ft., rein.-con., brick and steel addition, rein.-con. flooring, on 12th and Locust Sts., for Jefferson Hotel Co. About $1,200,000. T. Hays, mgr. Noted Sept. 9.

Mo., Springfield—Church—Until Jan. 1, by Heckenlively & Mark, archts., 426 Landers Bldg., building 2 story, brick and stone, brick foundation, on Cherry Rd. and Jefferson St., for Grace Methodist Episcopal Church. About $100,000.

Tex., Denison—Hotel—E. E. Hall, archt., 123 West Madison St., Chicago, receiving bids building 5 story, 150 x 150 ft., rein.-con., rein.-con. flooring, concrete foundation, on Woodard and Burnett Sts., for Chamber of Commerce. About $400,000. Noted Oct. 14.

Col., Ft. Collins—Clubhouse—Until Jan. 2, by Bd. Trustees Colorado Agricultural College, building 2 story, 108x160 ft., concrete, brick and stone, rein.-con flooring, concrete foundation. About $125,000. E. Groves, 222 Foster Bldg., Denver, archt. Noted Sept. 30.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Amherst—Club—Theta Delta Chi Fraternity, Amherst College, let contract building 2 story, 32 x 56 ft. with 24 x 57 ft. and 21 x 38 ft. ells, brick, concrete foundation, on Northampton Rd. and Lincoln Ave., to Ranger-Casper Constr. Co., 293 Bridge St., Holyoke.

★N. Y., Brooklyn—Stores—J. Balzarini, c/o Brook & Sackhein, archts. and engrs., 26 Court St., let contract constructing several 1 story, brick, stone and steel buildings, brick foundations, on plot of 160 x 250 ft., on Flatbush Ave. near Dorchester Rd., to E. G. Vail, 189 Montague St. About $75,000.

★N. Y., Brooklyn—Theatre—Glenwood Theatre Corp., 408 Knickerbocker Ave., will build brick and steel, brick foundation. About $80,000. Work will be done by day labor.

★N. Y., New York—Loft—D. Belais, c/o V. C. Farrar, archt. and engr., 4 East 39th St., will build 3 story, 25 x 100 ft., brick and stone, brick foundation, at 137 West 14th St. About $75,000. Work will be done by day labor.

★N. Y., New York—Restaurant and Office—C. W. Lyons, 38 West 33rd St., let contract altering 4 story, brick and stone, at 38 West 33rd St., to C. L. Fraser, 103 Park Ave. About $80,000.

★Md., Baltimore—Community—Sharp St. Memorial Methodist Episcopal Church, 1206-10 Etting St., let contract building 5 story, 41 x 79 ft. brick, concrete foundation, to H. N. Barnes, Franklin and Calvert Sts.

Buildings (Continued)

★**Tenn., Kingsport**—Housing—Kingsport Farms Co, Inc. will build 38 rein.-con., brick and steel houses, brick foundations. About $100,000. Work will be done by day labor under supervision of Litchfield & Rogers, archts. and engrs., 2 East 41st St., New ork City. Noted Nov. 4.

★**O. Akron**—Theatre and Office—L. Miller, 579 Euclid Ave., let contract building 3 story, brick and concrete, on Portage and Front Sts., to Portage Constr. Co., Akron. About $200,000.

★**O., Cleveland**—Bank and Commercial—Lakeshore Banking & Trust Co., Osborn Bldg., let contract building 1 story, 68 x 80 ft. brick and steel brick foundation, at 3475 East 93rd St., to R. Black, 1419 St. Clair Ave. About $75,000.

★**O., Cleveland**—Office—Cleveland Land & Security Co., Union Bldg., will construct brick and stone, concrete foundation. About $300,000. Work will be done by day labor.

★**Mich., Detroit**—Hospital—Evangelical Deaconess Home, Jefferson Ave., let masonry contract building 2 story, 40 x 105 ft. rein.-con., brick and stone, rein.-con. flooring, brick foundation, to W. S. Pocock, 515 Hammond Bldg. About $75,000. Noted Sept. 16.

★**Mich., Detroit** — Temple — Ionic Lodge of Masons, Lawton and Grand River Aves., let masonry contract for 3 story, 90 x 100 ft., rein.-con., brick, steel and stone, rein.-con. flooring, concrete foundation, on Grand River Ave. and Chope Pl., to W. S. Pocock, 515 Hammond Bldg.

★**Ill., Amboy**—Bank—D. H. Burham & Co., archts., 209 South La Salle St., Chicago, let contract to W. J. Zitterell Co., Webster City, Ia., building 1 and 2 story, 50x110 ft., concrete and brick, concrete foundation, for 1st Natl. Bank. About $100,000. Noted June 29.

★**Ill., Chicago** — Church — North Shore Baptist Church, c/o S. M. Seator, archt., 35 North Dearborn St., let masonry contract for 2 story, 110x125 ft. brick and concrete, concrete foundation, on Lakewood and Berwyn Aves., to C. A. Juhl, 7759 St. Lawrence Ave.; carpentry, to Northern Constr. Co., c/o architect. Total cost, $300,000. Noted Nov. 25.

★**Ill., Chicago**—Theatre and Office—Selwyn Theatre Corp., 229 West 42d St., New York City, let contract building brick, steel and stone, brick foundation, here, to Longacre Constr. Co., 127 North Dearborn St. About $1,000,000.

★**Ia., Pocahontas**—Court House—Pocahontas Co. let contract building 2 story, 80x125 ft., rein.-con., brick and stone, to A. H. Neumann Co., 519 Hubbell Bldg., Des Moines, $354,881. Noted Dec. 2.

★**Mo., St. Louis**—Church and School—St. Philips Church, 5030 Thekla Ave., will build 2 story, 70 x 125 ft., rein.-con. and brick, at 5036 Thelka Ave. About $75,000. Work will be done by day labor under supervision of P. J. Bradshaw, archt., International Bldg.

★**Ont., West Toronto** — Restaurant and Office—Childs Co., 200 5th Ave., New York City let contract building 6 story, 50 x 175 ft. brick, steel and stone, at 9 King St., to Dickie Constr. Co., Ryrie Bldg., Toronto. About $200,000. Noted Nov. 18.

Federal Government Work

PROPOSED WORK

N. Y., L. I., Amagansett—Radio Compass Stations—Spec. 4338, 4339 and 4340—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build 3 radio compass stations, here.

D. C., Wash.—Concrete Roads, etc.—Spec. 4336—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build 5,575 sq.yd. 1 course plain concrete roads, complete drainage system in connection with same, rein.-con. retaining wall and electric duct system.

Va., Quantico—Guard House, General Service Building, etc.—Spec. 4334—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to construct guard house and general service building with observation tower, also improve existing carpenter shop, machine shop, storehouse and photo-laboratory, etc., at Marine Flying Field, here.

Oregon—Road Work—U. S. Forestry Bureau, Div. Office, Portland, rejected bids received Oct. 8, improving and building 2 steel bridges on Mt. Hood Loop Project, Hood River Sect. C. H. Purcell, Portland, U. S. dist. eng. Noted Oct. 21.

Cal., San Diego—Buildings—L. Rogers, U. S. Navy, Winchester Bldg., Roscrans and Lytton Sts., preparing plans for new buildings at Naval Training Station. Cost to exceed $50,000.

BIDS DESIRED

Me., Bar Harbor—Electric Distribution System—Spec. 4341—Until Dec. 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing at Naval Radio Station, at Otter Cliff, here. Noted Dec. 2.

Mass., Woods Hole—Boiler and Storage House—Until Dec. 28, by Dept. of Commerce, Bureau of Fisheries, building at Fisheries Station.

Pa., Corby — Mailing Vestibule — Until Dec. 28, by Treas. Dept., Wash., D. C., extending, at U. S. Post Office, here. J. A. Wetmore, superv. archt.

Pa., Phila.—Hot Water Piping—Until Jan. 3, by Treas. Dept., Wash., D. C., installing new hot water piping in U. S. Mint, here.

Pa., Phila.—Steel Dump Scows—Until Dec. 31, by U. S. Engineers, here, furnishing and delivering 5 steel dump scows; advertised in this issue. Noted Nov. 25.

D. C., Wash.—Mechanical Equipment—Until Dec. 22, by Treas. Dept., Wash., D. C., furnishing mechanical equipment for hospital buildings E-F, boiler house kitchen and laundry buildings; changes and additions in Unit D and in house of Officer in charge; electric conduit and wiring in tunnels connecting Units A, B, C and D, and F-F; also removing certain plumbing in Units B and C, extending outside lighting and power feeders of U. S. Pub. Health Serv. Hospital No. 32, at 2650 Wisconsin Ave. J. A. Wetmore, acting superv. archt.

D. C., Wash.—Separation of Water Drainage Systems—Until Dec. 22, by Treas. Dept., separating sanitary from storm water drainage system and installing permanent light and power feeders at U. S. Auditor's Bldg. J. A. Wetmore superv. archt.

Va., Norfolk—Conduit—Until Dec. 16, by U. S. Engineer, Custom House, here, building rein.-con. conduit in Appomattox River here; advertised in this issue. Noted Nov. 25.

Va., Norfolk — Dredging and Wharf — Until Jan. 7, by U. S. Engineer, dredging in Elizabeth River and building timber wharf; advertised in this issue.

W. Va., Charleston—Mezzanine Floor—Until Dec. 28, by Treas. Dept., Wash., D. C., building, here. J. A. Wetmore, superv. archt.

N. C., Charlotte—Electric Elevator—Until Dec. 27, by Treas. Dept., Wash., D. C., installing in Post Office, here. J. A. Wetmore, superv. archt.

N. C., Charlotte—Mailing Vestibule, etc.—Until Dec. 27, by Treas. Dept., Wash., D. C., installing in Post Office, here. J. A. Wetmore, superv. archt.

S. C., Charleston—Improving Boiler Plant—Spec. 4252—Until Dec. 29, by Treas. Dept., Wash., D. C., improving, here. J. A. Wetmore, superv. archt. Noted July 29.

Ky., Covington — Conduit, Wiring, etc. — Until Dec. 21, by Treas. Dept., Wash., D. C., installing conduit, wiring, lighting fixtures, etc., in Post Office and Court House, here. J. A. Wetmore, superv. archt.

La., New Orleans—Dredging—Until Jan. 10, by U. S. Engineer, 329 Custom House Bldg., here, dredging Intracoastal Waterway; advertised in this issue. Noted Aug. 19.

Kan., Wichita—Dumb Waiter—Until Dec. 22, by Treas. Dept., Wash., D. C., installing in Post Office, here. J. A. Wetmore, suprv. archt.

Ind., Kokomo—Mailing Vestibule, etc.—Until Dec. 27, by Treas. Dept., Wash., D. C., constructing, here. J. A. Wetmore, acting superv. archt.; advertised in this issue.

Ill., Decatur—Mezzanine Floor—Until Dec. 27, by Treas. Dept., Wash., D. C., building, in U. S. Post Office, here. J. A. Wetmore, superv. archt.

Wis., Beloit — Mezzanine Floor — Until Dec. 29, by Treas. Dept., Wash., D. C., building in Post Office, here. J. A. Wetmore, superv. archt,

Kan., Wichita—Remodeling Post Office—Until Dec. 22, by Treas. Dept., Wash., D. C., remodeling, here. J. A. Wetmore, superv. archt.

Mo., Joplin—Post Office—Until March [illegible] by U. S. Government, Wash., D. C., building 2 story, 50 x 100 ft., stone addition, on [illegible] and Joplin Sts., here. About $250,000. [illegible] Kirkpatrick, postmaster.

Mo., St. Louis—Earthwork—Until [illegible] 22, by Secretary Mississippi River Com[illegible] 1311 International Life Bldg., construct[illegible] earthwork in Sny Island Levee D. D., [illegible] advertised in this issue. Noted Dec. 2.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., Niagara Falls — Electric Dumb Waiter—Treas. Dept., Wash., D. C., received bids installing in Post Office, here, from Elevator Supplies Co., 1515 Willow Ave., Hoboken, N. J., $2,680; Warner Elevator Mfg. Co., 2613-31 Spring Grove Ave., Cincinnati, O., $3,565; Braas Bros. Co., 111[illegible] Whiteney Ave., $4,325.

★**N. Y., Oswego**—Altering Post Office and Custom House—Treas. Dept., Wash., D. C., let contract, altering, here, to Garber & Cissell, Bethlehem, Pa., $14,500. Noted Dec. 2.

★**Pa., Allentown**—Mezzanine Floor, etc.—Treas. Dept., Wash., D. C., let contract building in Post Office and Court House, here, to Garber & Cissell, Bethlehem, Pa., $4,700. Noted Nov. 25.

Md., Annapolis—Repainting Structure—Spec. 4329—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Nov. 24, repainting at Naval High-Power Radio Station, Greensbury Point, here, (1) work complete, from Fairfax Bros., Geneva, N. Y., (1) $3,808 (30 days), (2) $300, (3) $472, (4) $80, J. P. Sullivan, 4515 Indiana Ave., Chicago, Ill., (1) $3,881 (30 days), (2) $120, (3) $1,000, (4) $72; Tyler & Kane, 281 1st St., East Port, (1) $5,000 (40 days), (2) $800, (3) $690, (4) $85. Noted Nov. 11.

Va., Norfolk—Steam Distributing System—Spec. 4255—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 1, installing, here, from Enterprise Steam & Hot Water Heat Co., 600 North Howard St., Baltimore, Md., $44,450 (120 days); G. W. Cornell Co., 45 East 17th St., New York City, $51,220 (120 days); Carroll Electric Co., 714 12th St., $55,460 (120 days). Noted Nov. 25.

★**Va., Quantico**—Incinerator—Spec. 4266—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building, here, to King Lumber Co., Inc., Preston Ave., Charlottesville $42,200 (150 days). Noted Dec. 2.

Ind., Ft. Wayne—Mezzanine Floor, etc.—Treas. Dept. Wash., D. C., received bids Nov. 30, building in Post Office, here, from G. E. Wright, Inc., Chicago, Ill., $5,750; F. J. Rump & Son, 2411 South Wayne Ave., $5,923; M. Irmscher & Son, 2103 Forest Park Blvd., $9,370. Noted Nov. 18.

Mich., Lansing—Elevator—Treas. Dept., Wash., D. C., received bids Nov. 30, installing freight elevator in Post Office, here, from Kimball Bros. Co., 23 West 37th St., New York City, $5,825 (90 days); Otis Elevator Co., Metropolitan Bank Bldg., Wash. D. C., $5,941 (120 days); Warner Elevator Mfg. Co., 2613-31 Spring Grove Ave., Cincinnati, O., $7,300 (90 days); Noted Nov 18.

Ill., Chicago — Mezzanine Floor — Treas. Dept., Wash., D. C., received bids Dec. 2, building in Post Office, here, from Ford & Phillips, 723 South Wells St., $13,998 (90 days); W. J. Scown Bldg. Co., 36 West Randolph St., $14,500 (120 days); G. F. Meyne, 127 North Dearborn St., $14,797 (75 days). Noted Nov. 18.

Ill., Rockford—Freight Elevator—Treas. Dept., Wash., D. C., received bids Dec. 1, installing in Post Office, here, from Otis Elevator Co., Metropolitan Bank Bldg., Wash., D. C., $5,775 (110 days); Warner Elevator Mfg. Co., 2613-31 Spring Grove Ave., Cincinnati, O., $6,850; Pitt Eng. Co., 120 West Kinzie St., Chicago, $7,500 (90 days). Noted Nov. 18.

★**Ill., Springfield**—Lighting, Wiring, etc.—Treas. Dept., Wash., D. C., let contract furnishing, wiring, conduit, etc., in Post Office, here, to J. B. Schoels, 216-20 South 4th St., $2,666. Noted Nov. 11.

Cal., San Diego — Refrigerating Equipment—Spec. 4303—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Dec. 1, installing refrigerating equipment and cold storage insulation at Naval Base

Federal Government Work (Continued)

Marine Barracks, here, (1) work complete, from York California Constr. Co., 308 Boyd St., Los Angeles, (1) $50,985 (120 days), (2) $23,995, (3) $27,990. Noted Nov. 11.

H. T. Pearl, Harbor — Marine Railway — Spec. 4254—Pub. Wks. Officer, Navy Yard, Mare Island, Cal., received only bid Nov. 17, completing marine railway, from Ross Constr. Co., Forum Bldg., Sacramento, Cal., $261,500. Noted Oct. 14.

Miscellaneous

PROPOSED WORK

Stadium — Springfield, Mass. — Y. M. C. A. College, 287 Hickory St., plans to build rein.-con. stadium, with 25,000 seating capacity, on North Field. Architect not selected.

Golf Course—Whitneyville, Conn. (New Haven P. O.)—New Haven Country Club, Whitney Ave., plans to construct 18 hole golf course. About $45,000. Engineer not selected.

Gas Supply System—Rocky Mount, N. C. —City will sell $160,000 bonds Dec. 16, for gas supply system.

Pier, etc.—Jacksonville, Fla.—City plans to build pier, with warehouses, loading and discharging facilities, raiload tracks, cranes, engine, etc., in St Johns River. About $1,000,000.

Wharf — New Orleans, La. — Dock Bd. having plans and specifications made and soon receives bids building 1,200 ft. creosoted timber wharf, to replace one recently destroyed by fire. Loss $250,000. H. N. Gallagher, foot Canal St., ch. engr.

Pavilions—Crown Point, Ind. — See "Buildings."

Stadium — Ann Arbor, Mich. — Athletic Assn., care of R. W. Aigler, chn., having plans prepared by L. Gram, engr., for 100 x 400 ft. rein.-con. stadium with 20,000 seating capacity on Ferry Field. About $120,000.

Lock and Dam—Chicago, Ill.—F. I. Bennet, dir. Pub Wks., 25 East Jackson Blvd., rejected bids received Nov. 22, building Starved Rock Lock and Dam, on Illinois River, near Utica. Work will be readvertised in 6 or 8 weeks. Noted Dec. 2.

Tractor and Grader—Alma, Wis.—Buffalo Co. appropriated $6,000 to purchase large tractor and grader. J. Reinhart, Nelson, comr.

Motor Patrol Grader, Trucks, etc.—Appleton, Wis.—Outagamie Co. plans to purchase 1 motor patrol grader, 3 trucks and 1 snow plow. A. G. Brusewitz, comr.

Road Equipment—Barron, Wis.—Barron Co. appropriated funds to purchase road equipment, to include new camp equipment, graders and possibly more tractors and trucks. E. Gleason, comr.

Dam, Transmission Line, etc. — Benson, Wis. (Randall P. O.)—J. D. Markham and A. Kelsey having plans prepared by Druar & Milinowski, engrs., 512 Globe Bldg., St. Paul, Minn., for concrete dam, 3,000 ft. long, 60-70 ft. high, also power plant and transmission line. About $2,000,000.

Road Machinery—Dodgeville, Wis.—Iowa Co. voted $8,000 bonds to purchase road machinery, to include 1 large grader, 12 wheelers, 6 patrol graders and 1 large tractor. C. Wonn, comr.

Road Machinery, etc.—Hayward, Wis.—Sawyer Co. appropriated $4,000 to purchase patrol and road machinery for 1921. E. J. Collett, comr.

Patrol Machinery—Jefferson, Wis.—Jefferson Co. appropriated $9,000 bonds to purchase patrol machinery. R. D. Royce, Ft. Atkinson, comr.

Trucks, Tractor, etc. — Kenosha Wis. — Kenosha Co. voted $20,000 bonds to purchase 2 trucks, tractor, snow plow and tractor-grader. J. Herzog, comr.

Road Machinery, Madison, Wis.—Dane Co. appropriated $15,000 to purchase road machinery including crusher, screen, etc. F. M. Lipke, comr.

Road Machinery—Manitowoc, Wis.—Manitowoc Co. appropriated $4,000 to purchase road machinery for 1921. F. Muth, comr.

Road Machinery—Mauston, Wis.—Juneau Co. appropriated $8,000 to purchase road machinery, to include small tools and stone crusher. A. V. Robison, New Lisbon, comr.

Road Machinery—Marinette, Wis.—Marinette Co. voted $5,000 bonds to purchase road machinery, including wheeled scrapers. A. Eklund, Peshtigo, comr.

Road Machinery—Medford, Wis.—Taylor Co. appropriated $10,000 to purchase road machinery for 1921. C. Keinhofer, comr.

Road Machinery—Menomonie, Wis.—Dunn Co. appropriated $10,000 to purchase road machinery, to include rock crusher and heavy tractor. F. Stewart, comr.

Crushing Plant, etc.—Merrill, Wis.—Lincoln Co. appropriated $7,000 to purchase crushing plant and road machinery.

Trucks, etc.—Neillsville, Wis.—Clark Co. appropriated $23,000 to purchase 3 trucks and small machinery. W. C. Thoma, comr.

Road Machinery—Oconto, Wis.—Oconto Co. appropriated $5,000 to purchase road machinery for 1921. P. Peetz, comr.

Lighting System — Oshkosh, Wis. — Bd. Pub. Wks. plans to install ornamental lighting system, to include 203 lamps. About $75,000. W. F. Porath, chn. W. A. Baehr, c/o Peoples Gas Light & Coke Co., 122 South Michigan Ave., Chicago, engr.

Patrol Tractors, etc.—Rhinelander, Wis. —Oneida Co. appropriated $5,000 to purchase 2 patrol tractors and 1 crushing plant. F. E. Parker, comr.

Road Machinery—Richland Center, Wis. —Richland Co. voted $7,000 bonds to purchase road machinery, to include 1 large truck, 1 cement mixer, 6 or 8 patrol graders, drags and planes. W. V. Robinson, comr.

Gravel Loader — Stevens Point, Wis. — Portage Co. voted $3,000 bonds to purchase gravel loader. T. E. Cauley, comr.

Road Machinery—Superior, Wis.—Douglas Co. appropriated $10,000 to purchase road machinery. C. D. Conkey, Jr., comr.

Wheelers and Gravel Loading Outfit—Wautona, Wis.—Waushara Co. appropriated $5,000 to purchase some wheelers and gravel loading outfit. F. Grimm, comr.

Lighting System — Sauk Center, Minn. — City plans election to vote on $15,000 bonds to improve lighting system. J. F. Cooper, clk.

Improving Electric Light System—Oldham, S. D.—City voted $25,000 bonds to improve electric light system.

Dredge—Caldwell, Idaho—See "Excavation & Dredging."

Dam—Los Angeles, Cal. — City, in cooperation with Los Angeles Co. (assisted by flood control funds available from originally planned Hutchins dam in Pacoima canon), plan to construct 385 ft. high gravity dam, impounding 12,000 acre ft. of water; project will be known as Pacoima Dam. About $1,500,000. J. W. Regan, Court House, engr.

BIDS DESIRED

Wall—Seneca Falls, N. Y.—Until Jan. 4, by E. S. Walsh, supt. Pub. Wks., Capitol, Albany, building concrete cut-off wall at north end of Dam No. 2, here, Contr. V; advertised in this issue.

Pier—Phila., Pa.—Until Dec. 28, by G. F. Sproule, dir. dept Wharves, Docks & Ferries, 550 Bourse Bldg., constructing Chestnut St. Pier 4, South Delaware River; advertised in this issue.

Platform—Phila., Pa.—Until Dec. 14, by Dept. City Transit, 12th and Chestnut Sts., building concrete platform for Front and Fairmont Sts. on Frankford "L". Cost to exceed $25,000.

Brick, Cement and Sand—Clayton, Mo.—Until Dec. 14, by W. Elbring highway engr. St. Louis Co., furnishing 15,000 sq.yd. wire cut lug brick and 5,000 sq.yd. wire cut lug Hillside brick; 38,000 bbl. Portland cement and 11,000 cu.yd. Mississippi River or Meramec River sand.

Pumping Machinery—Prince Albert, Sask. —Until Dec. 18, by E. F. Webb, city clk., furnishing and supervising erection of following pumping machinery: (a) 1 horizontal centrifugal pump, capacity 1,400 imperial gal. per minute, 50 ft. head direct connected to A. C. electric motor, alternative; 1 pump as above only without electric motor: (b) 1 horizontal centrifugal pump capacity and head as above, direct connected to steam turbine: (c) 1 horizontal centrifugal pump, capacity 1,400 imperial gal. per minute, 190 ft. head, direct connected to A.C. electric motor: (d) 1 horizontal centrifugal pump, capacity 700 imperial gal. per minute, 190 ft. head, direct connected to A.C. electric motor: (e) 1 horizontal centrifugal pump, capacity 1,400 imperial gal. per minute, 190 ft. head, direct connected to steam turbine; (f) 2 vertical centrifugal pumps only, capacity 500 U. S. gal. per minute, 40 ft. head, suitable for sewage pumping, and direct connection to A.C. motor.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Recreation Field—Proctor, Vt.—Town let contract constructing recreation and athletic field, to Natl. Eng. Corp., 27 School St., Boston. About $25,000.

★Underground Feeder—Mattapan (Boston P. O.), **Mass.**—City let contract constructing underground feeder for electric lights on Consumptives hospital grounds, to Sterns, Perry & Smith, 31 Chardon St., Boston. About $15,000.

★Removing Wharf — Plymouth, Mass. — Pilgrim Tercentenary Comn., Tremont Bldg., Boston, let contract removing Pilgrim Wharf, raising present canopy which is over rock, and putting Pilgrim Rock on its original base, to Powers Bros., 163 North Montello St., Brockton, $16,980.

Refined Asphalt, Binder Stone, etc. — Brooklyn, N. Y.—E. Riegelmann, boro. pres., received bids Dec. 1, furnishing and delivering (1) 100,000 gal. refined asphalt, (2) 50,000 paving blocks, (3) 1,700 cu.yd. binder stone, (4) 1,000 cu.yd. gravel or broken stone, (5) 1,000 cu.yd. paving sand, from Warner-Quinlan Co., 79 Wall St., New York City, (1) $9,730; Standard Oil Co., 26 Bway., New York City, (1) $10,170; Hasting Pavement Co., 25 Broad St., New York City, (2) $6,045; Calvin-Thomuskin Co., (3) $4,658; Washington & Bulkley, (3) $4,675, (4) $3,350; W. Furgerson, (3) $5,355; T. F. Colgan, (4) $3,390; J. J. Guinan, (4) $3,700, (5) $1,820; C. A. Myers, (5) $1,750; J. W. Smith Municipal Bldg., New York City, (5) $1,750; Noted Nov. 23.

Granite Curbing, Wash., D. C.—Dist. Comrs. received bids furnishing 9,500 ft. granite curbing, from Stone Mountain Granite Corp., Stone Mt., Ga., $2.60 per lin. ft. (30 days) North Carolina Granite Corp., Mt. Airy, N. C., $2.50 lin. ft. (30 days).

Foundation, etc. — Detroit, Mich. — Fire Comn., Larned St., received bids building rein.-con. foundation for high pressure pumping station, including rein.-con. intakes and sewer outlets, etc., from Bryant & Detwiler Co., 2336 Dime Bank Bldg., $83,505; De Lisle & Cooper, Campau Bldg., $87,426; Candler Dock & Dredge Co., 305 Moffat Bldg., $123,621. Noted Nov. 11.

Wharf—Detroit, Mich.—City Fire Comn., Larned St., received bids building 335 ft. wharf, rein.-con. top, at foot of Randolph St., on Detroit River, from A. J. Dupuis, Ford Bldg., $160,889; Great Lakes Dredge & Dock Co., 104 South Michigan Ave., Chicago, $290,400; Amer. Constr. Co., Marion Bldg., Cleveland, O., $387,769. Noted Nov. 11.

★Dam—Port Wing, Wis.—See "Industrial Works."

★Excavation and Concrete Walls—Denver, Col.—Scottish Rite Consistory No. 2 let contract excavating for foundation for 3 story, 115x170 ft. cathedral, on 16th and Grant Sts., to Inter State Constr. Co., Denver; building concrete walls to grade line, to A. Stecker, Chamber Commerce Bldg. Both ontracts awarded on percentage basis. Total cost $500,000. Noted Sept. 23 under "Buildings."

★Heating, Ventilating and Plumbing Systems—Denver, Col.—Bd. Educ. let contract installing heating and ventilating systems in Morey Jr. High School, on 13th and 14th Aves., Clarkson and Emerson Sts., to McCarty-Johnson Heating & Eng. Co., 1440 Curtis St., $90,075; plumbing to Johnson & Davis Plumbing & Heating Co., 427 15th St., $40,988. Noted Nov. 18 under "Buildings."

★Wharf—Lords Cove, N. B.—Dept. Pub. Wks., Ottawa, let contract building wharf on Deer Island, here, to F. L. Boone, South Devon. About $20,000.

★Wharf—Owen Sound, Ont.—Dept. Pub. Wks., Ottawa, let contract building wharf, here, to E. Conroy, Peterboro. About $18,000; cost plus percentage basis.

★Coal Bunkers—British Columbia—Canadian Pacific R.R., Windsor St., Montreal, Que., let contracts building coal bunkers at following places: Vancouver, to Vichens Contg. Co. Ltd., Dominion Bldg., Vancouver; Ruby Creek, to Nickson Constr. Co., 739 Hastings St. W., Vancouver; Notch Hill and Sicamous, to W. D. Grant, 1201 Georgia St., Vancouver; Revelstoke, to Simmons & Eby, Kerrisdale; Albert Canyon, to J. Forsyth & Co., 626 Pender St. W., Vancouver; Beavermouth, to S. E. Junkins Co., 837 Hastings St. W., Vancouver; Golden, to J. H. Simmons, 506 Confederation Life Bldg., Winnipeg, Man. Total cost, $100,000.

OFFICIAL PROPOSALS

Bids: Dec. 17.

Construction of the Belle Isle Bridge

Detroit, Mich.

Sealed proposals will be received for furnishing all labor and material, tools, equipment and other means of construction, all preliminary and temporary structures for facilitating or protecting the work necessary to construct the Belle Isle Bridge, or parts thereof, at the office of the Department of Public Works, Detroit, Michigan, until Friday, December 17th, 1920, at 11 o'clock a.m. (Eastern Standard Time), at which time and place they will be opened.

The proposed work consists in general in constructing a reinforced concrete bridge and approaches for the purpose of connecting the island known as Belle Isle, with the Detroit mainland, and is briefly described as follows:

The bridge consists of a series of twenty reinforced concrete cantilever arches with incline approaches at both ends. The arch spans vary in length from 52 feet 0 inches to 135 feet 0 inches, making a total of about 2,300 feet 0 inches for the bridge proper, and having a maximum clearance of 30 feet 0 inches above mean water level. The north or mainland approach is about 200 feet 0 inches long, and will join on to the south end of the Jefferson Avenue subway, now being completed. The south or Island approach consits of two curved inclines, each about 450 feet 0 inches long, which branch out symmetrically to the east and west, from the south abutment.

The work involves the following principal items and approximate quantities:

GROUP (A)

Excavation, wet and dry, cu.yd.	26,000
Wood piling, lin.ft.	345,000
Concrete, reinforced, including footings, cu.yd.	34,700
Reinforcing steel, lb.	903,000
Removal of old bridge piers.	

Together with following miscellaneous items:

Docks, sewers, cofferdams, filling, etc.

GROUP (B)

Fabrication and erection of:

Structural steel tons	3,300
Bronze bearings, lb.	20,000

GROUP (C)

Excavation, wet and dry, cu.yd.	3,000
Wood piling, lin.ft.	74,000
Concrete, reinforced, cu.yd.	28,000
Reinforced steel, lb.	1,980,000
Waterproofing, sq.ft.	220,000
Sewers and drains	
Concrete paving base, sq.yd.	22,900
Electrical work	

Together with the following miscellaneous items:

Precast concrete lamp standards, balustrades, vases, manholes, sidewalks, filling, etc.

GROUP (D)

Metal handrailing, lin.ft.	4,160
Lamp frames	116

Copies of the modified contract, specifications and plans may be obtained at the office of Esselstyn, Murphy & Hanford, Engineers, 810 Marquette Building, Detroit, Michigan, upon making a deposit of Two Hundred and Fifty Dollars ($250.00), which sum will be refunded only upon the return of plans and specifications in good condition ten days after letting or rejection.

All bids will be compared on the basis of the Engineers' estimate of quantities of work to be done.

Contracts for the entire work may be awarded to one contractor, or divided according to the four main divisions, on which separate proposals are to be made.

Bidders must deposit with each of their proposals enclosed in separate envelopes, certified bank checks, payable to the order of the City of Detroit, for the following sums:

1. For proposal on Group A, Twenty-five Thousand Dollars ($25,000).
2. For proposal on Group B, Ten Thousand Dollars ($10,000).
3. For proposal on Group C, Twenty-five Thousand Dollars ($25,000).
4. For proposal on Group D, Two Thousand Dollars ($2,000).

Said checks to be returned to the bidder unless he fails to execute the contract or contracts should one or more be awarded him.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

Official Proposals reaching our office in first mail Wednesday morning (9 o'clock) can usually be published in the issue out the next day. Special price for Official Proposals, 40 cents a line.

A bond will be required for the faithful performance of each contract and a separate bond for the prompt payment in full of all just debts for labor and material incurred in the construction and improvement herein contemplated, each bond to be in the sum equal to 50 per cent of the total amount of the contract, the surety to be an incorporated surety company, satisfactory to the Department of Public Works of the City of Detroit.

The Department of Public Works expressly reserves the right to reject any or all proposals.

All proposals to be made in duplicate.

JOSEPH A. MARTIN,
Commissioner.

Nov. 23, 1920.

Bids: Dec. 13.

Paving

CONTRACTS No. 43 AND 44
BRONX PARKWAY COMMISSION
Bronxville, N. Y.

Sealed bids for paving Bronx River Parkway Drive between Duncomb Street, Williamsbridge, New York City, and Mount Vernon Avenue, Yonkers, N. Y., will be received by the Bronx Parkway Commission at its office 72 West Pondfield Road, Bronxville, N. Y., until 10:30 a.m., December 13, 1920.

Contract No. 43 embraces the section of Parkway Drive between Duncomb Street, Williamsbridge and East 233rd Street, Woodlawn, New York City.

Contract No. 44 includes the section of Parkway Drive between East 233rd Street, Woodlawn, New York City, and Mount Vernon Avenue, Yonkers, N. Y. The average width of Driveway pavement will be 40' between curbs. The total areas to be paved are as follows:

Contract No. 43—37,000 square yards.
Contract No. 44—34,450 square yards.

Bids will be received on the basis of paving the entire yardage with any of the following types of pavement:

(a) Asphalt block on a concrete base.
(b) Bituminous concrete on a concrete base.
(c) Bituminous macadam on a concrete base.

Bidders may submit alternative bids on any or all types as they may elect. The Commission expects to select the type of surfacing which will, in its judgment, give the greatest return for the money expended. The right is reserved to reject any or all bids.

Pamphlets containing information for bidders, form of proposal, specifications and contract drawings may be obtained by intending bidders at the above address by depositing $5.00 for each copy of pamphlet, including drawings.

BRONX PARKWAY COMMISSION
(By) JAY DOWNER,
Engineer and Secretary.

Dated, Bronxville, N. Y.
November 20, 1920.

Bids: Jan. 5.

Construction of Storm Relief Trunk Sewers and Lateral Relief Sewers

Lima, Ohio.

Sealed proposals for the construction of Relief Trunk Sewers, Contracts Nos. 3 and 4, also the construction of Lateral Relief Sewers, Contracts Nos. 5, 6 and 7, will be received at the office of the Director of Public Service, Lima, Ohio, until 12 o'clock noon, Central Standard Time, Jan. 5, 1921, and will then be publicly opened and read. The City reserves thirty (30) days thereafter in which to act on the bids.

The work included under these contracts consists of construction, with all appurtenances, of Relief Trunk Sewers and Lateral Relief Sewers, as above mentioned, a general summary of quantities follows:

CONTRACT NO. 3

Total length of Sewer, about 6,100 lin.ft., varying in size from 27 to 60 in., all of Circular Section.

CONTRACT NO. 4

Total length of Sewer, about 6,130 lin.ft., varying in size from 12 to 30 in., all of Circular Section.

CONTRACT NO. 5

Total length of Sewer, about 8,425 lin.ft., varying in size from 12 to 48 in., all of Circular Section.

CONTRACT NO. 6

Total length of Sewer, about 2,540 lin.ft., varying in size from 12 to 24 in., all Circular in Section.

CONTRACT NO. 7

Total length of Sewer, about 4,720 lin.ft., varying in size from 18 to 30 in., all Circular in Section, together with all necessary appurtenances, special structures and manholes.

Copy of plans, form of proposal, contract, bond and specifications, may be inspected at any of the following offices: Director of Public Service, City Hall, Lima, Ohio; Fuller & McClintock, Valentine Building, Toledo, Ohio; Fuller & McClintock, 170 Broadway, New York City; B. F. Darling, Supervising Engineer, City Hall, Lima, Ohio.

Copies of plans and specifications, with form of proposal, contract and bond, may be obtained at the office of the Supervising Engineer, City Hall, Lima, Ohio. The following charge will be made for each set of plans and specifications:

Contract No. 3—Nine dollars ($9.00).
Contract No. 4—Seven dollars ($7.00).
Contract No. 5—Seven and 50/100 dollars ($7.50).
Contract No. 6—Six dollars ($6.00).
Contract No. 7—Seven dollars ($7.00).

No charge will be made for proposal blanks.

The Director of Public Service reserves the right to reject any or all bids, to waive any informalities in the bids received and to accept any bid which is deemed most favorable to the interest of the City of Lima, Ohio.

ELMER McCLAIN,
Director of Public Service.
B. F. DARLING,
Supervising Engineer.

Dated, Nov. 27, 1920.

Bids: Dec. 22.

Construction of Bridge

Elizabeth, N. J.

Sealed proposals will be received by the Committee of the Board of Chosen Freeholders of the County of Union at the Court House, Elizabeth, N. J., at 2:30 p.m. on Wednesday, December 22, 1920, for the following described work.

New lift bridge of the Strauss Trunnion Bascule type over the Elizabeth River at South Front Street, Elizabeth, N. J.

Plans and specifications for this work may be examined at the office of the County Engineer, 120 Broad Street, Elizabeth, N. J.

Each bidder must submit with the bid a certificate from a surety company stating that such surety company will provide the contractor with a bond in the sum and with such conditions as are required by the specifications.

Each bid must be accompanied with a certified check for five per cent of the bid as required by the specifications.

The Board reserves the right to reject any or all bids.

JACOB L. BAUER.
County Engineer